City of Winnipeg

Winnipeg

2011

PRELIMINARY CAPITAL BUDGET

2012 - 2016 FIVE-YEAR FORECAST



The City of Winnipeg

2011
Preliminary Capital Budget

and

2012 to 2016
Five Year Forecast

To obtain copies of this document, please contact:

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Prepared by Corporate Finance,
The City of Winnipeg

City of Winnipeg website: www.winnipeg.ca

Table of Contents

Letter from the Mayor and Chairperson of the Standing Policy Committee on Finance..... 1

Recommendations 3

Overview.....Section 1

Capital Projects Summary .....Section 2

Capital Projects Detail .....Section 3

Service Based View.....Section 4

Appendices .....Section 5

Appendix 1: Capital Priority Rating System 5-1

Appendix 2: Cost Estimation Classification System 5-3

Appendix 3: Public Private Partnership Payments..... 5-5

Back to Table of Contents

Letter from the Mayor and the Chairperson of the Standing Policy Committee on Finance

January 21, 2011

TO ALL MEMBERS OF COUNCIL:

Re: Preliminary 2011 Capital Budget
- and the -
2012 to 2016 Five Year Forecast

We are pleased to submit the Preliminary Capital Investment Plan for the City of Winnipeg for the years 2011 to 2016.

A new City Council is in place and ready to take action on the City's growing infrastructure deficit. Work by the Infrastructure Funding Council is in its final stages with an overall infrastructure funding strategy and recommendations on infrastructure funding options expected early in 2011. In addition, the City hosted its first ever capital budget public consultation sessions in December 2010.

The Public Service has also begun a comprehensive Asset Management initiative. This work will ensure departments implement leading practices in managing their infrastructure assets and that our limited capital resources are funding the highest priority projects. Developing complete asset inventories, evaluating asset condition, and assessing life cycle costing and risks will enable the most efficient and effective asset management program.

This capital budget invests in infrastructure priorities of $2.2 billion over the 6 year period. Over $422 million is earmarked for streets and bridges over the multi-year plan with $111.5 million authorized for 2011 alone. The City continues to grow its "Cash to Capital" investment by $2 million each year, bringing the contribution in 2011 to $67.5 million.

Included in the capital plan are several important strategic initiatives. The Assiniboine Park Conservancy is funded at $57.7 million over the 6 year capital plan. This includes ongoing upgrades and improvements to the park of $30.7 million in addition to the City's contribution of $27 million to an exciting new multi-year development plan. A new Winnipeg Police Headquarters is also included to enhance public safety services.

The organization is diligently proceeding with the new Fire Paramedic facilities replacement plan. $12.9 million has been set aside in the 6 year capital plan to complement the over $15 million already authorized by Council, $9.7 million of which is funded through the Canada Mortgage and Housing Corporation – Municipal Infrastructure Lending Program.

Other investments over the 6 year plan include Parks and Open Space projects at $34.9 million, $117.5 million for community infrastructure and amenities, including $2 million for the new University of Winnipeg Soccer Complex. The Transit 6 year program of $161.8 million includes $108.7 million for buses, and $46.1 million for building replacement and refurbishing.

Environmental stewardship is a City priority and this multi-year plan includes an $81.9 million investment for the land drainage program, $171.5 million for the water utility and $905.7 million for sewer utility projects. The sewer expenditures are partly due to the cost of complying with Clean Environment Commission requirements. Funding negotiations will need to be finalized with the other levels of government to successfully complete the planned sewer program. In addition, the solid waste disposal utility investment of $32.7 million includes funding for the implementation of the waste management strategy at $25.5 million.

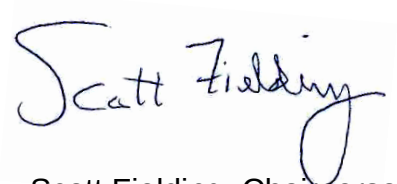
The City of Winnipeg recognizes that Federal and Provincial governments have made significant investments in the City's capital program. Of note, the Chief Peguis Trail project now includes new PPP Canada Inc. funding of $22.3 million. Unfortunately, these other government commitments are not enough to address the infrastructure deficit we face. We must continue to negotiate and advocate for long term capital support from the other levels of government to address infrastructure funding shortfalls.

This preliminary plan outlines the capital priorities for the newly elected Council. It does not, however, resolve all the significant capital challenges we face. Therefore, we invite review and feedback from all members of Council and citizens at large to finalize this plan over the next several weeks.

Respectfully submitted,



Sam Katz,
Mayor



Scott Fielding, Chairperson,
Standing Policy Committee on Finance

Back to Table of Contents

RECOMMENDATIONS

1. a) That the 2011 Capital Budget totalling $370,114,000 requiring borrowing authority of $78,952,000 for tax-supported debt be reviewed and submitted to Council for adoption; and

   b) That the 2012 to 2016 Five Year Capital Forecast be reviewed and submitted to Council for adoption in principle.

2. That the cash to capital contribution be as follows:

Year	$ Millions
2011	67.478
2012	69.478
2013	71.478
2014	73.478
2015	75.478
2016	77.478

3. That all transfers to/from reserves and other funds outlined in the capital budget be approved.

4. That Council authorize the expenditure of $9.409 million for the Transit Building Replacement/Refurbishment in 2011 or prior to the adoption of the 2012 Capital Budget as a first charge, in accordance with Subsection 288(2) of the City of Winnipeg Charter to allow for timely contract award and capital work.

5. That Council authorize the expenditure of $800,000 for the Assiniboine Park Conservancy - Capital Development Plan in 2011 or prior to the adoption of the 2012 Capital Budget as a first charge, in accordance with Subsection 288(2) of the City of Winnipeg Charter to facilitate timely work on the Capital Development Plan.

6. That the City Solicitor/Director of Legal Services be requested to submit the necessary borrowing by-law directly to Council.

7. That the Proper Officers of the City be authorized to do all things necessary to implement the foregoing, including the execution of any documents related thereto.

Back to Table of Contents

The City of Winnipeg

Overview

2011
Preliminary Capital Budget

and

2012 to 2016
Five Year Forecast



2011 Preliminary Capital Budget

and

2012 to 2016 Five Year Capital Forecast

Executive Policy Committee
January 21, 2011

Winnipeg

2011 CAPITAL BUDGET PROCESS

- **The City's first Capital Budget public consultations December 6th and December 9th**
- **Infrastructure Funding Council**
- **Comprehensive Asset Management Initiative**
- **Standing Policy Committee Review and Council debate and adoption**



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2011 CAPITAL BUDGET CONTEXT

- **Multi-year view**
- **Challenged by aging infrastructure and an infrastructure deficit**
- **Capital construction inflation not as high as in the recent past**
- **Government Partnerships**

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HIGHLIGHTS

- **6 Year Capital investment plan of $2.2 billion:**
  - **Commitment to the redevelopment of Assiniboine Park through the Assiniboine Park Conservancy - $57.7 million**
  - **Public Safety - $161.6 million including the new Police Headquarters and the Fire Paramedic facilities replacement plan**
- **$370.1 million in 2011**
  - **PPP Canada funding of $22.3 million for Chief Peguis Trail**
  - **University of Winnipeg - Soccer Complex - $2 million**
- **Cash to Capital $67.5 million in 2011 and growing annually by $2 million**

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AREAS OF MAJOR CAPITAL INVESTMENT





- **$905.7 million for sewage disposal projects**
- **$422.4 million for roads and bridges**
- **$210.2 million for parks, community infrastructure and amenities**
- **$171.5 million for the water system**
- **$161.8 million for the transit system**
- **$161.6 million for public safety infrastructure**
- **$81.9 million for land drainage and flood control**

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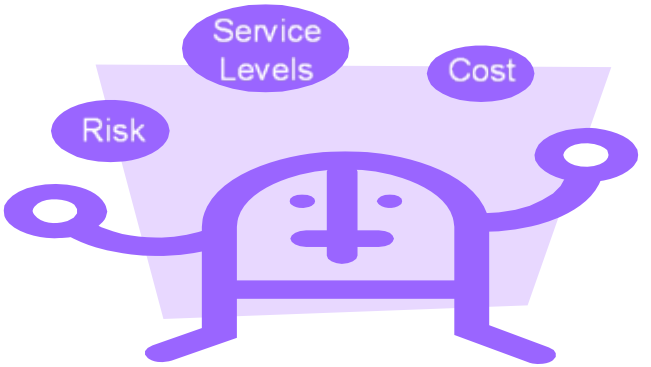
COMPREHENSIVE ASSET MANAGEMENT

Three Key Concepts

- Continuously delivering established levels of service
- At an acceptable level of risk
- Reduce the lifecycle costs of owning, operating and maintaining infrastructure assets

Use Business Approaches

- Define asset requirements
- Use business case evaluations
- Incorporate risk and prioritization



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COMPREHENSIVE ASSET MANAGEMENT BENEFITS

- Lower overall cost of asset ownership over time (capital and operating costs)
- Improved asset reliability and asset effective life
- Better allocation of scarce resources through risk management
- Improved coordination over the asset life cycle
- Improved asset knowledge management and use of data to drive decision making

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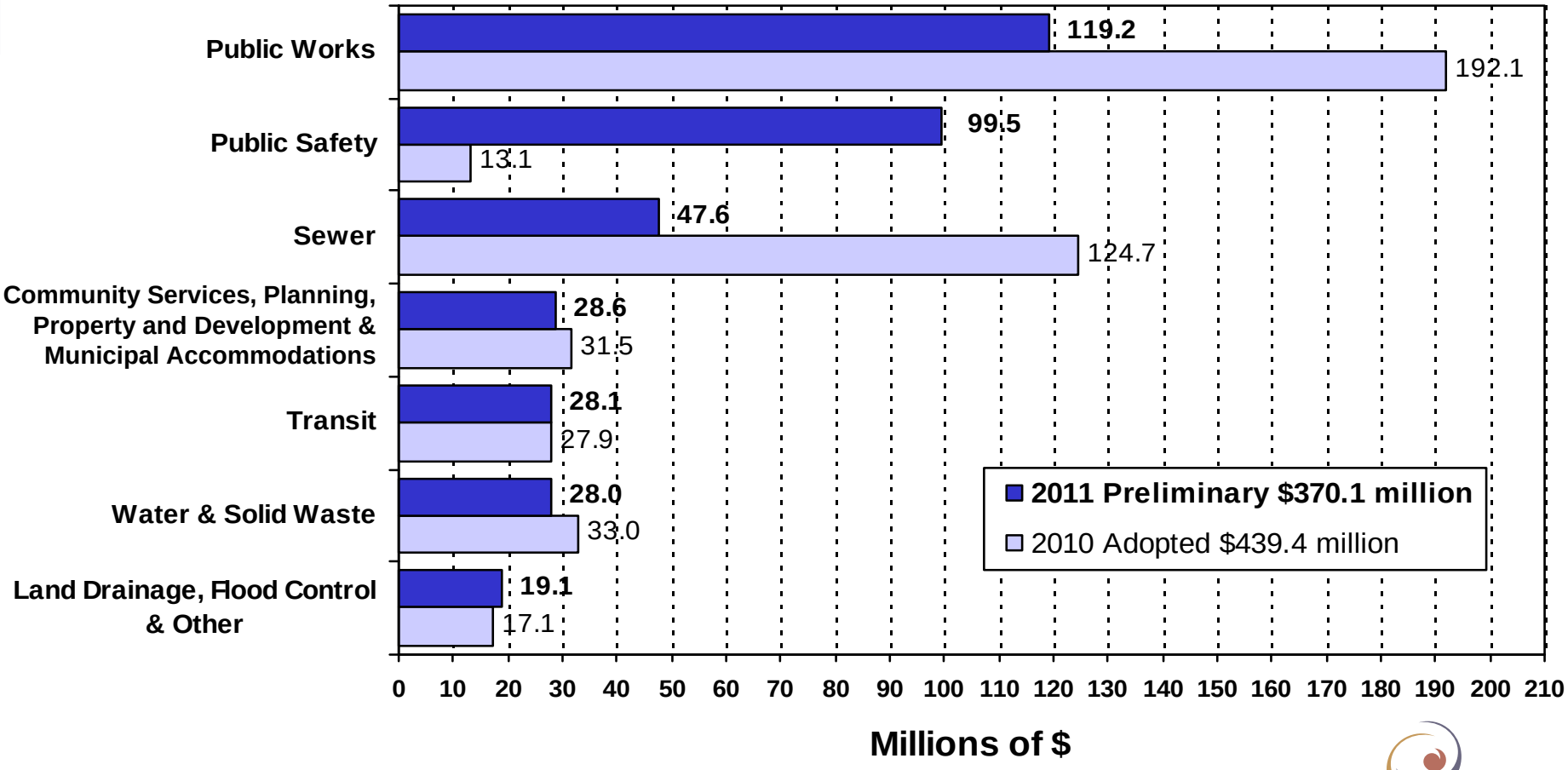
CAPITAL PROJECTS (Authorizations)



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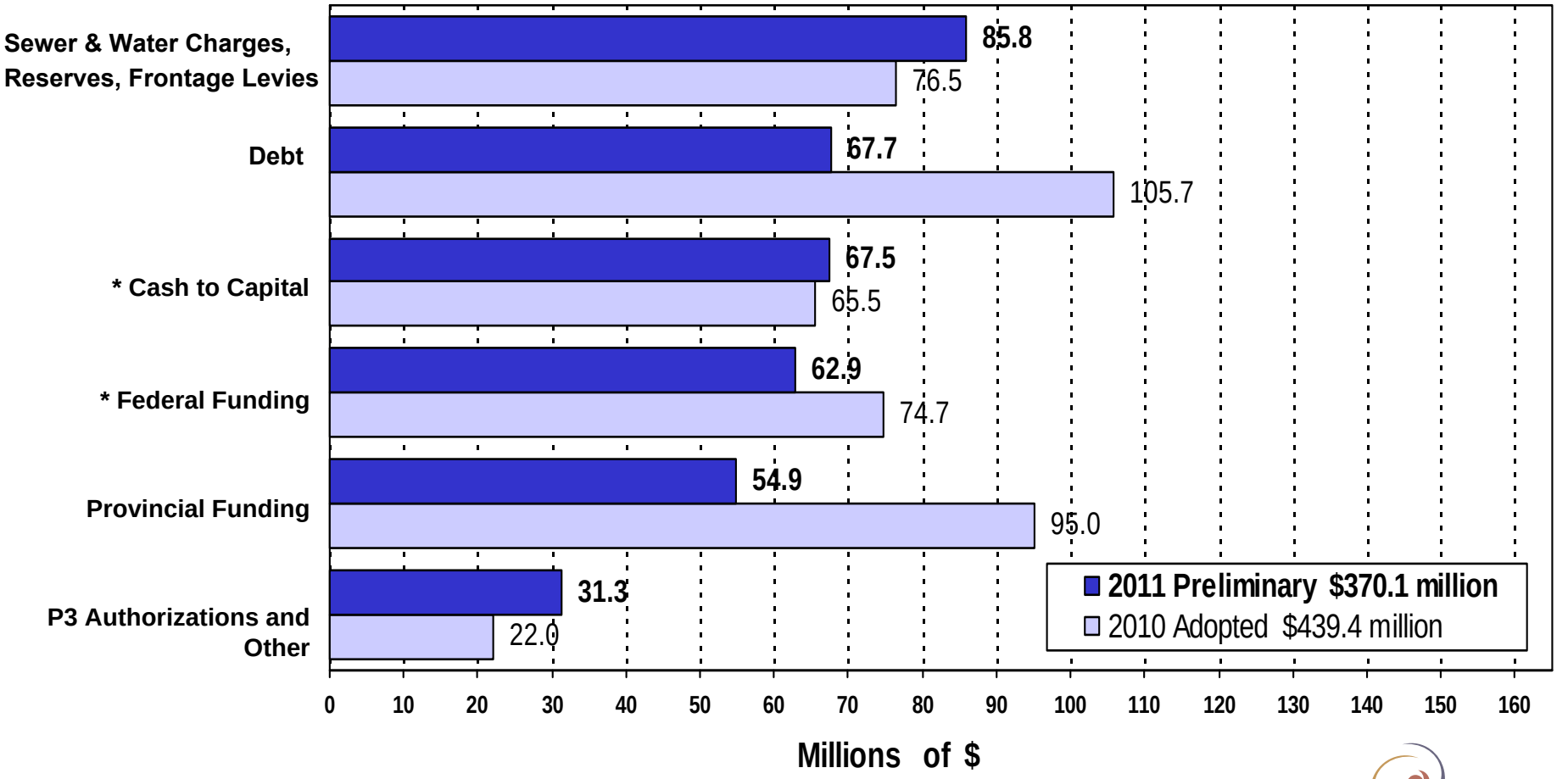
CAPITAL FINANCING



* Includes funding for P3 payments.

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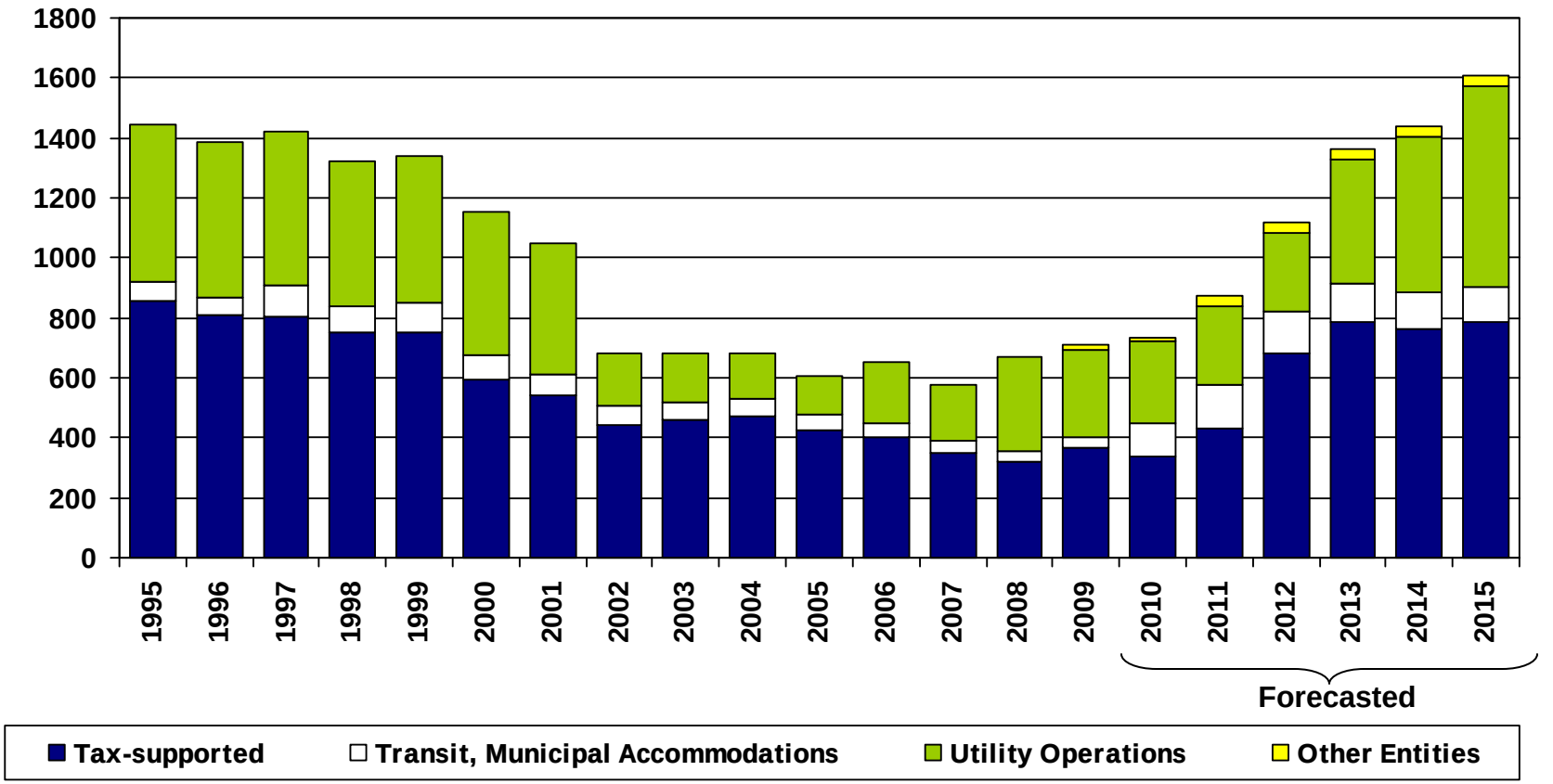
CITY OF WINNIPEG NET DEBT PER CAPITA at December 31st



- Debenture debt and P3 obligations included
- Other Entities included in 2009 and subsequent years

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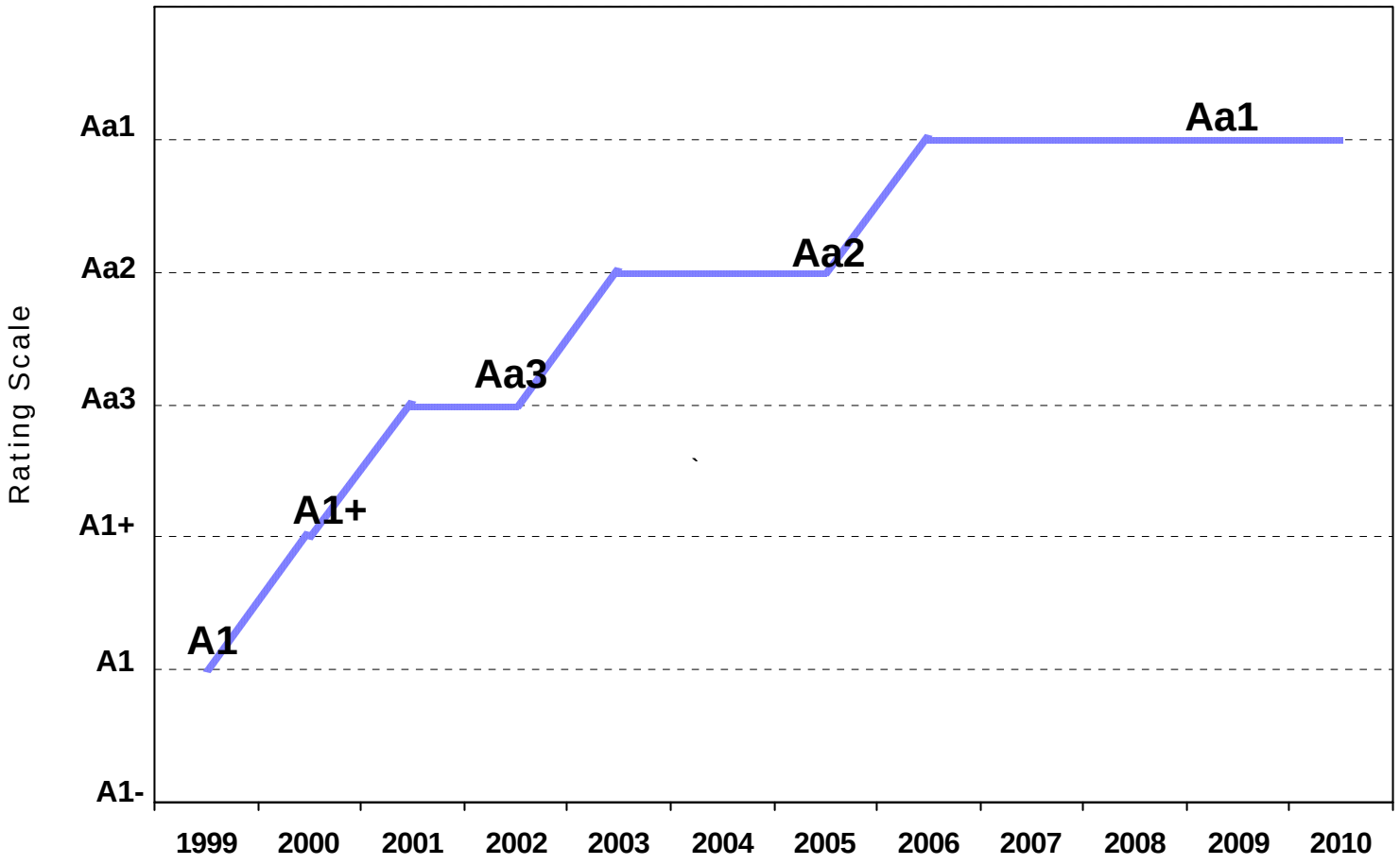
CREDIT RATING



Source Moody's Investors Service

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Back to Table of Contents

The City of Winnipeg

CAPITAL PROJECTS SUMMARY

2011
Preliminary Capital Budget

and

2012 to 2016
Five Year Forecast

January 21, 2011

Notes:

1. Capital budget amounts are estimates only and are subject to materials management policy (e.g. tenders, bids, and contract awards including Public Private Partnership proposals).

2. In the attached Capital Projects Listing, tax supported capital projects are financed by cash to capital unless another funding source is disclosed for the project. In addition, the Manitoba Winnipeg Infrastructure Program and Provincial funding for Road Improvements financing amounts are not all allocated to individual capital projects. These unallocated financing amounts will offset cash to capital requirements.

3. The Public Service uses the Association for the Advancement of Cost Engineering (AACE) International Classification system for capital budget estimate purposes for all non-scalable projects. Capital estimates for non-scalable projects contained in this budget document are supported by a class 4 or 5 estimate, unless specifically noted.

Table of Contents

Summary of Capital Program 2-1

Summary of Financing Sources 2-2

Tax Supported

Public Works 2-5

Local Improvements 2-8

Community Services 2-9

Winnipeg Police Service 2-10

Fire Paramedic Service 2-10

Planning, Property and Development 2-11

Municipal Accommodations 2-12

City Clerks 2-13

Corporate Support Services 2-13

Assessment and Taxation 2-13

Other Projects 2-13

Transit 2-14

Water and Waste 2-15

Utilities

Waterworks System 2-16

Sewage Disposal System 2-17

Solid Waste Disposal System 2-19

Special Operating Agencies

Winnipeg Golf Services 2-19

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	Budget	Forecast					2011-2016 6 YEAR TOTAL
	2011	2012	2013	2014	2015	2016	
SUMMARY OF CAPITAL PROGRAM							
Public Works	**119,241**	**73,874**	**63,241**	**68,078**	**68,761**	**64,166**	**457,361**
Local Improvements		**3,000**	**3,000**	**3,000**	**3,000**	**3,000**	**15,000**
Water and Waste	**6,098**	**10,240**	**17,725**	**15,298**	**16,450**	**16,058**	**81,869**
Community Services & Community Incentive Grants	**13,831**	**21,711**	**17,892**	**15,673**	**18,855**	**22,388**	**110,350**
Winnipeg Police Service	**99,539**	**7,990**	**12,924**	**16,215**	**5,236**	**800**	**142,704**
Fire Paramedic Service			**5,000**	**858**	**5,000**	**8,000**	**18,858**
Planning, Property and Development	**5,864**	**5,550**	**5,284**	**5,798**	**5,460**	**5,877**	**33,833**
City Clerks	**650**	**650**	**650**	**700**	**500**		**3,150**
Corporate Support Services	**4,284**	**2,273**	**1,788**	**2,207**	**2,328**	**1,876**	**14,756**
Assessment and Taxation		**500**			**750**	**500**	**1,750**
Other Projects	**7,899**	**100**	**150**				**8,149**
Sub-Total Tax Supported General	**257,406**	**125,888**	**127,654**	**127,827**	**126,340**	**122,665**	**887,780**
Municipal Accommodations	**8,885**	**7,679**	**8,905**	**8,665**	**8,835**	**8,252**	**51,221**
Transit	**28,113**	**25,009**	**28,085**	**29,269**	**22,287**	**29,021**	**161,784**
Total Tax Supported Including Transit and Municipal Accommodations	**294,404**	**158,576**	**164,644**	**165,761**	**157,462**	**159,938**	**1,100,785**
UTILITIES							
Waterworks System	**27,570**	**29,485**	**33,570**	**24,160**	**21,300**	**35,450**	**171,535**
Sewage Disposal System	**47,590**	**222,300**	**280,250**	**182,350**	**99,850**	**73,400**	**905,740**
Solid Waste Disposal System	**400**	**24,300**	**3,700**	**1,530**	**1,370**	**1,410**	**32,710**
Total Utilities	**75,560**	**276,085**	**317,520**	**208,040**	**122,520**	**110,260**	**1,109,985**
SPECIAL OPERATING AGENCIES							
Winnipeg Golf Services	**150**	**150**					**300**
Total Special Operating Agencies	**150**	**150**					**300**
TOTAL CAPITAL PROGRAM	**370,114**	**434,811**	**482,164**	**373,801**	**279,982**	**270,198**	**2,211,070**

Back to Capital Projects Summary
Table of Contents

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	Budget	Forecast					2011-2016 6 YEAR
	2011	2012	2013	2014	2015	2016	TOTAL
SUMMARY OF FINANCING SOURCES							
Cash to Capital	67,478	69,478	71,478	73,478	75,478	77,478	434,868
Public Private Partnership Annual Service/Financing Payments	(10,913)	(25,636)	(33,011)	(33,011)	(33,011)	(33,012)	(168,594)
Reserves:							
- Transit Bus Replacement	9,036	8,196	7,466	7,466	7,466	7,466	47,096
- Rapid Transit Infrastructure	4,242						4,242
- Watermain Renewal	13,500	14,000	15,000	16,000	17,000	17,000	92,500
- Sewer System Rehabilitation	13,500	18,200	25,900	25,600	26,400	27,200	136,800
- Environmental	7,300	25,549	20,759	21,320	21,323	17,200	113,451
- Land Operating				29,935			29,935
- Golf Course	173	173	23	23	23		415
- Economic Development Investment	450	500		700	1,100	1,600	4,350
- General Purpose (Repayment)	(4,358)						(4,358)
Interim Financing (Repayment)	10,266			(29,935)			(19,669)
Contributions from Other Levels of Government:							
- Federal Gas Tax	40,450	41,050	40,450	40,450	40,450	40,450	243,300
- Veterans Affairs Canada	100	100	100	100	100	100	600
- PPP Canada Inc. - Federal Funding	22,300						22,300
- Manitoba Winnipeg Infrastructure Program	16,366	16,866	16,170	16,166	16,666	16,666	98,900
- Building Manitoba Fund	10,840	10,840	10,840	10,840	10,840	10,840	65,040
- Provincial Government Funding	2,667	2,666					5,333
- Provincial Funding for Road Improvements	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Other Funders:							
- Developers	295	500	1,375	500	500	500	3,670
Proceeds from Glacial and Sand Gravel	7,602						7,602
Retained Earnings - Transit	450	2,143					2,593
Retained Earnings - Utilities	41,560	41,285	68,620	45,440	43,120	59,160	299,185
Debt	67,652	183,901	211,994	123,729	27,527	2,550	617,353
Transfers from Other Capital Accounts	2,958						2,958
TOTAL FINANCING SOURCES	348,914	434,811	482,164	373,801	279,982	270,198	2,189,870
Public Private Partnership Authorization	21,200						21,200
TOTAL CAPITAL PROGRAM	370,114	434,811	482,164	373,801	279,982	270,198	2,211,070

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	Budget	Forecast					2011-2016 6 YEAR
	2011	2012	2013	2014	2015	2016	TOTAL
FINANCING SOURCES							
TAX SUPPORTED							
Cash to Capital	67,501	69,501	71,501	73,501	75,501	77,478	434,983
Public Private Partnership Annual Service/Financing Payments	(10,913)	(25,636)	(33,011)	(33,011)	(33,011)	(33,012)	(168,594)
Reserves:							
- Transit Bus Replacement	9,036	8,196	7,466	7,466	7,466	7,466	47,096
- Rapid Transit Infrastructure	4,242						4,242
- Economic Development Investment	450	500		700	1,100	1,600	4,350
- General Purpose (Repayment)	(4,358)						(4,358)
- Sewer System Rehabilitation	300	4,300	11,300	10,300	10,300	10,300	46,800
- Land Operating				29,935			29,935
Interim Financing (Repayment)	10,266			(29,935)			(19,669)
Contributions from Other Levels of Government:							
- Federal Gas Tax	40,450	41,050	40,450	40,450	40,450	40,450	243,300
- Veterans Affairs Canada	100	100	100	100	100	100	600
- PPP Canada Inc. - Federal Funding	22,300						22,300
- Manitoba Winnipeg Infrastructure Program	16,366	16,866	16,170	16,166	16,666	16,666	98,900
- Building Manitoba Fund	10,840	10,840	10,840	10,840	10,840	10,840	65,040
- Provincial Government Funding	2,667	2,666					5,333
- Provincial Funding for Road Improvements	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Other Funders:							
- Developers	295	500	1,375	500	500	500	3,670
Proceeds from Glacial and Sand Gravel	7,602						7,602
Debt	67,652	2,550	13,453	13,749	2,550	2,550	102,504
Retained Earnings - Transit	450	2,143					2,593
Transfers from Other Capital Accounts	2,958						2,958
Total Tax Supported Including Transit and Municipal Accommodations	273,204	158,576	164,644	165,761	157,462	159,938	1,079,585
Public Private Partnership Authorization	21,200						21,200
TOTAL TAX SUPPORTED PROGRAM	294,404	158,576	164,644	165,761	157,462	159,938	1,100,785

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	Budget	Forecast					2011-2016 6 YEAR
	2011	2012	2013	2014	2015	2016	TOTAL
UTILITIES							
Reserves:							
- Sewer System Rehabilitation	**13,200**	**13,900**	**14,600**	**15,300**	**16,100**	**16,900**	**90,000**
- Watermain Renewal	**13,500**	**14,000**	**15,000**	**16,000**	**17,000**	**17,000**	**92,500**
- Environmental	**7,300**	**25,549**	**20,759**	**21,320**	**21,323**	**17,200**	**113,451**
Retained Earnings - Utilities	**41,560**	**41,285**	**68,620**	**45,440**	**43,120**	**59,160**	**299,185**
Debt		**181,351**	**198,541**	**109,980**	**24,977**		**514,849**
TOTAL UTILITIES	**75,560**	**276,085**	**317,520**	**208,040**	**122,520**	**110,260**	**1,109,985**
SPECIAL OPERATING AGENCIES							
- Cash to Capital	**(23)**	**(23)**	**(23)**	**(23)**	**(23)**		**(115)**
- Golf Course Reserve	**173**	**173**	**23**	**23**	**23**		**415**
TOTAL SPECIAL OPERATING AGENCIES	**150**	**150**					**300**
TOTAL FINANCING SOURCES	**370,114**	**434,811**	**482,164**	**373,801**	**279,982**	**270,198**	**2,211,070**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
CAPITAL PROJECTS LISTING								
PUBLIC WORKS								
Active Transportation Facilities								
Recreational Walkways and Bike Paths - Various Locations								
- Cash to Capital		**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
- Provincial Funding for Road Improvements		**500**						**500**
Total Recreational Walkways and Bike Paths - Various Locations	3-1	**1,000**	**500**	**500**	**500**	**500**	**500**	**3,500**
New Regional Sidewalks	3-2	**250**	**250**	**250**	**250**	**250**	**250**	**1,500**
Active Transportation Corridors	3-3	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Active Transportation Project - Infrastructure Stimulus Fund - Approved by Council on December 15, 2010								
- Transfer from Departmental Non-specified Capital Account - (First charge on 2011 Capital Budget)		**2,000**						**2,000**
- Transfer from Kenaston Underpass Project		**958**						**958**
Total Active Transportation Project - Infrastructure Stimulus Fund	3-4	**2,958**						**2,958**
Total Active Transportation Facilities		**4,708**	**1,250**	**1,250**	**1,250**	**1,250**	**1,250**	**10,958**
Regional Streets								
Street Improvements								
Traffic Signals Enhancement	3-5	**2,300**	**2,300**					**4,600**
Developer Payback - Various Locations								
- Cash to Capital		**2,305**	**9,000**	**2,000**				**13,305**
- Developer Funding		**295**						**295**
Total Developer Payback - Various Locations	3-6	**2,600**	**9,000**	**2,000**				**13,600**
Tuxedo Yards Development								
- Economic Development Investment Reserve		**450**	**500**		**700**	**1,100**	**1,600**	**4,350**
- Provincial Government Funding		**2,667**	**2,666**					**5,333**
Total Tuxedo Yards Development	3-7	**3,117**	**3,166**		**700**	**1,100**	**1,600**	**9,683**
Kenaston Blvd - Academy Road to Taylor Avenue	3-8	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Traffic Engineering Improvements - Various Locations - First Charge on 2011 Capital Budget for Pedestrian Half Signal - Osborne Street and Wardlaw Avenue $111,300 (Council July 21, 2010)	3-9	**1,950**	**1,050**	**1,150**	**1,250**	**1,250**	**1,250**	**7,900**
Total Street Improvements		**10,067**	**15,616**	**3,250**	**2,050**	**2,450**	**2,950**	**36,383**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
Regional and Local Streets								
- Cash to Capital		**13,570**	**5,968**	**19,929**	**26,532**	**24,194**	**28,473**	**118,666**
- Interim Financing (Repayment)		**(4,150)**						**(4,150)**
- Federal Gas Tax		**26,026**	**15,355**	**9,355**	**9,355**	**9,355**	**9,355**	**78,801**
- Provincial Funding for Road Improvements		**500**						**500**
- Provincial Building Manitoba Fund - Roads		**7,000**	**7,000**	**7,000**	**7,000**	**7,000**	**7,000**	**42,000**
Total Regional and Local Streets	3-10	**42,946**	**28,323**	**36,284**	**42,887**	**40,549**	**44,828**	**235,817**
Waterway Crossings and Grade Separations								
Sturgeon Road Bridge (Sturgeon Creek)								
- Cash to Capital		**266**	**5,744**					**6,010**
- Provincial Funding for Road Improvements		**267**	**5,733**					**6,000**
Total Sturgeon Road Bridge (Sturgeon Creek)	3-12	**533**	**11,477**					**12,010**
Osborne Street Bridge (Assiniboine River)								
- Cash to Capital		**6,712**	**4,121**					**10,833**
- Provincial Funding for Road Improvements		**3,388**	**3,134**					**6,522**
Total Osborne Street Bridge (Assiniboine River)	3-13	**10,100**	**7,255**					**17,355**
Waverley Street / CN Mainline Grade Separation	3-14		**1,000**					**1,000**
Louise Bridge (Red River)	3-15			**2,581**		**2,000**		**4,581**
CPR Yards Functional Crossing Study - between McPhillips Street and Main Street	3-16			**1,500**				**1,500**
Fermor Avenue Bridge (Seine River)	3-17						**500**	**500**
Saskatchewan Avenue Culvert (Sturgeon Creek)	3-18						**1,000**	**1,000**
Pembina Highway Underpass								
- Cash to Capital		**650**		**3,500**	**3,150**			**7,300**
- Provincial Funding for Road Improvements		**650**		**3,500**	**2,850**			**7,000**
Total Pembina Highway Underpass	3-19	**1,300**		**7,000**	**6,000**			**14,300**
St. James Street Bridge (Omand's Creek)	3-20		**200**	**1,961**				**2,161**
Ness Avenue Culvert (Sturgeon Creek)	3-21			**1,000**	**2,000**	**8,000**		**11,000**
Portage Avenue Bridge (Sturgeon Creek)	3-22		**500**	**500**	**5,000**			**6,000**
Saskatchewan Avenue Bridge (Omand's Creek)	3-23				**500**	**2,000**		**2,500**
Lyndale Drive - Retaining Wall Rehabilitation	3-24				**500**	**500**	**3,000**	**4,000**
Osborne Street Underpass	3-25					**2,500**		**2,500**
Waterway Crossing and Grade Separations - Annual Program - First Charge on 2011 Capital Budget for Waterway Crossings and Grade Separations Annual Program - Structure Rehabilitation - Portage Avenue at Truro Creek $800,000 (Council December 15, 2010)	3-26	**3,000**	**2,000**	**2,000**	**2,000**	**2,000**	**3,000**	**14,000**

Back to Capital Projects Summary
Table of Contents

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
Disraeli Bridge and Overpass Facility								
- Federal Gas Tax		**6,100**	**13,800**	**19,800**	**19,800**	**19,800**	**19,800**	**99,100**
- Encumbrance Toward Commissioning Payment		**(6,100)**	**(6,100)**					**(12,200)**
- Public Private Partnership Annual Service/Financing Payments			**(7,700)**	**(19,800)**	**(19,800)**	**(19,800)**	**(19,800)**	**(86,900)**
Total Disraeli Bridge and Overpass Facility	3-27							
Charleswood Bridge								
- Cash to Capital		**1,478**	**1,478**	**1,478**	**1,478**	**1,478**	**1,478**	**8,868**
- Public Private Partnership Lease Payments		**(1,478)**	**(1,478)**	**(1,478)**	**(1,478)**	**(1,478)**	**(1,478)**	**(8,868)**
Total Charleswood Bridge	3-29							
Total Waterway Crossings and Grade Separations		**14,933**	**22,432**	**16,542**	**16,000**	**17,000**	**7,500**	**94,407**
New Transportation Facilities								
Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd - First Charge on 2011 Capital Budget for Chief Peguis Trail right of way - Amber Trails Subdivision (Council July 21, 2010)								
- Public Private Partnership		**21,200**						**21,200**
- Cash to Capital		**2,000**	**2,869**	**2,869**	**2,869**	**2,869**	**2,869**	**16,345**
- PPP Canada Inc. - Federal Funding		**22,300**						**22,300**
- Federal Gas Tax		**2,444**	**5,415**	**5,415**	**5,415**	**5,415**	**5,415**	**29,519**
- Public Private Partnership Annual Service/Financing Payments		**(2,444)**	**(8,284)**	**(8,284)**	**(8,284)**	**(8,284)**	**(8,284)**	**(43,864)**
- External Debt		**(11,300)**						**(11,300)**
Total Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd	3-30	**34,200**						**34,200**
Waverley West Arterial Roads Project	3-32	**3,400**						**3,400**
Total New Transportation Facilities		**37,600**						**37,600**
Other Streets Projects								
Asset Management System - Various Divisions	3-34	**492**	**549**	**405**	**405**			**1,851**
Land Drainage Sewers - Regional / Local Streets	3-35	**150**	**150**	**150**	**150**	**150**	**150**	**900**
Land Acquisition - Transportation Right of Way	3-36	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Sand / Salt Storage Facility	3-37		**600**					**600**
City-Wide Accessibility Program	3-38	**350**	**350**	**350**	**350**	**350**	**350**	**2,100**
Total Other Streets Projects		**1,292**	**1,949**	**1,205**	**1,205**	**800**	**800**	**7,251**
TOTAL STREETS PROJECTS		**111,546**	**69,570**	**58,531**	**63,392**	**62,049**	**57,328**	**422,416**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
Parks and Open Space								
Reforestation - Improvements	3-39	**383**	**387**	**383**	**383**	**383**	**383**	**2,302**
Athletic Fields - Improvements	3-40	**200**		**200**	**200**	**124**	**200**	**924**
Parks - Improvements	3-41	**712**	**617**	**677**	**653**	**655**	**655**	**3,969**
Multi-Use Recreation Sites - Parking Lot Renewals	3-42	**1,500**						**1,500**
Regional & Community Parks - Buildings	3-43	**1,150**					**2,150**	**3,300**
Playground Structures	3-44	**1,750**	**1,800**	**1,800**	**1,800**	**1,800**	**1,800**	**10,750**
Hardsurface Upgrading (formerly Pathway/Roadway/Tennis Court Upgrading)	3-45			**150**	**150**		**150**	**450**
Boat Launch and Dock - Reconstruction	3-46	**500**						**500**
Community Park Amenities	3-47	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**9,000**
Insect Control - Information System	3-48					**1,250**		**1,250**
Insect Control - Replace 3 Grey Street Operations Building	3-49					**1,000**		**1,000**
Total Parks and Open Space		**7,695**	**4,304**	**4,710**	**4,686**	**6,712**	**6,838**	**34,945**
TOTAL PUBLIC WORKS		**119,241**	**73,874**	**63,241**	**68,078**	**68,761**	**64,166**	**457,361**
LOCAL IMPROVEMENTS - Ongoing Program								
- Cash to Capital			**450**	**450**	**450**	**450**	**450**	**2,250**
- External Debt			**2,550**	**2,550**	**2,550**	**2,550**	**2,550**	**12,750**
TOTAL LOCAL IMPROVEMENTS	3-50		**3,000**	**3,000**	**3,000**	**3,000**	**3,000**	**15,000**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
COMMUNITY SERVICES								
Community Incentive Grant Program	3-51	**1,508**	**1,538**	**1,569**	**1,600**	**1,632**	**1,665**	**9,512**
Library Shelving and Furniture Replacement Program	3-52	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Library Replacement - Various	3-53	**1,000**	**5,500**	**4,000**	**2,000**	**3,000**	**5,000**	**20,500**
Renovate and Refurbish Various Library Branches Program	3-54	**500**	**500**	**1,000**	**800**		**500**	**3,300**
Library Technology Upgrade and Replacement	3-55				**500**	**500**	**500**	**1,500**
Recreational Facility Safety & Accessibility Improvements	3-56		**400**	**400**	**500**	**500**	**600**	**2,400**
Library Signage, Safety and Accessibility	3-57		**200**	**200**	**200**	**200**	**200**	**1,000**
Business Application Systems	3-58			**250**				**250**
Recreation Equipment Program - New Facilities	3-59					**400**		**400**
Technology Upgrade and Replacement	3-60				**250**			**250**
Mobile Library Service Vehicle	3-61			**650**				**650**
Recreation Facility Replacement - Various	3-62		**2,750**			**2,800**	**2,600**	**8,150**
Recreation Refurbishment and Redevelopment	3-63	**1,000**	**1,000**				**1,500**	**3,500**
Assiniboine Park Conservancy (APC) - Upgrades and Improvements								
- Cash to Capital		**4,021**	**5,123**	**5,123**	**5,123**	**5,123**	**5,123**	**29,636**
- Proceeds from Glacial and Sand Gravel		**1,102**						**1,102**
Total Assiniboine Park Conservancy (APC) - Upgrades and Improvements	3-64	**5,123**	**5,123**	**5,123**	**5,123**	**5,123**	**5,123**	**30,738**
Assiniboine Park Conservancy (APC) - Capital Development Plan								
- Cash to Capital			**4,500**	**4,500**	**4,500**	**4,500**	**4,500**	**22,500**
- Proceeds from Glacial Sand and Gravel		**4,500**						**4,500**
Total Assiniboine Park Conservancy (APC) - Capital Development Plan	3-65	**4,500**	**4,500**	**4,500**	**4,500**	**4,500**	**4,500**	**27,000**
TOTAL COMMUNITY SERVICES		**13,831**	**21,711**	**17,892**	**15,673**	**18,855**	**22,388**	**110,350**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
WINNIPEG POLICE SERVICE								
Winnipeg Police Service Communications Systems	3-66		**3,390**					**3,390**
Automated Fingerprint Identification System (AFIS) Replacement	3-67	**179**		**321**				**500**
Mobile Laptops	3-68			**1,200**				**1,200**
Officer Mobile Video System	3-69					**1,000**		**1,000**
Radio Upgrade for Districts 3 and 4	3-70						**500**	**500**
Computer Assisted Dispatch	3-71					**1,800**		**1,800**
Police Division's Systems Upgrades	3-72				**5,016**	**2,436**	**300**	**7,752**
West Station Information Technology Requirements	3-74		**500**					**500**
North Station Information Technology Requirements	3-75			**500**				**500**
Aerial Support Unit								
- Interim Financing (Repayment)		**(3,492)**						**(3,492)**
- General Purpose Reserve		**3,492**						**3,492**
Total Aerial Support Unit	3-76							
Police Building Replacement								
- Cash to Capital		**891**	**6,174**	**3,449**	**3,449**	**3,449**	**3,450**	**20,862**
- Public Private Partnership Lease Payments		**(891)**	**(2,074)**	**(3,449)**	**(3,449)**	**(3,449)**	**(3,450)**	**(16,762)**
Total Police Building Replacement	3-77		**4,100**					**4,100**
Winnipeg Police Headquarters								
- Interim Financing (Repayment)		**20,408**			**(29,935)**			**(9,527)**
- Land Operating Reserve					**29,935**			**29,935**
- External Debt		**78,952**						**78,952**
Total Winnipeg Police Headquarters	3-78	**99,360**						**99,360**
Police Headquarters - Other								
- External Debt	3-79			**10,903**	**11,199**			**22,102**
TOTAL WINNIPEG POLICE SERVICE		**99,539**	**7,990**	**12,924**	**16,215**	**5,236**	**800**	**142,704**
FIRE PARAMEDIC SERVICE								
Facilities Replacement and Relocation Program	3-80			**5,000**	**858**	**3,000**	**4,000**	**12,858**
Replacement Radio System	3-81					**2,000**	**4,000**	**6,000**
TOTAL FIRE PARAMEDIC SERVICE				**5,000**	**858**	**5,000**	**8,000**	**18,858**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
PLANNING, PROPERTY AND DEVELOPMENT								
Computer Automation	3-82	**200**		**200**	**200**		**200**	**800**
Riverbank Greenway Programs	3-83	**403**	**400**	**381**	**400**	**400**	**443**	**2,427**
Cemeteries - Improvements								
- Cash to Capital		**300**	**200**	**200**	**200**	**260**	**232**	**1,392**
- Veterans Affairs Canada		**100**	**100**	**100**	**100**	**100**	**100**	**600**
Total Cemeteries - Improvements	3-84	**400**	**300**	**300**	**300**	**360**	**332**	**1,992**
Downtown Enhancement Program	3-85	**400**	**400**	**400**	**400**	**400**	**400**	**2,400**
Community and Neighborhood Main Streets (formerly Image Route Enhancements / Streetscaping)	3-86	**400**	**400**		**400**		**400**	**1,600**
Public Art Strategy	3-87	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Land Acquisition for General Unspecified Purposes	3-89	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Developer Payback	3-90	**261**	**250**	**203**	**298**		**202**	**1,214**
Riverbank Stabilization - Physical Asset Protection								
- Cash to Capital				**1,000**	**1,000**	**1,000**	**1,000**	**4,000**
- Manitoba Winnipeg Infrastructure Program (MWIP)		**1,000**	**1,000**					**2,000**
Total Riverbank Stabilization - Physical Asset Protection	3-91	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**6,000**
Building Communities Initiative II								
- Cash to Capital		**1,000**	**1,000**	**1,000**	**1,000**	**1,250**	**1,050**	**6,300**
- Manitoba Winnipeg Infrastructure Program (MWIP)		**1,000**	**1,000**	**1,000**	**1,000**	**1,250**	**1,050**	**6,300**
Total Building Communities Initiative II	3-93	**2,000**	**2,000**	**2,000**	**2,000**	**2,500**	**2,100**	**12,600**
TOTAL PLANNING, PROPERTY AND DEVELOPMENT		**5,864**	**5,550**	**5,284**	**5,798**	**5,460**	**5,877**	**33,833**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
MUNICIPAL ACCOMMODATIONS								
General Building Renovation and Refurbishing	3-94	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Accommodation Facilities	3-95	**1,100**	**1,100**	**2,200**	**1,830**	**2,100**	**1,820**	**10,150**
Fire/Life Safety/Regulatory Upgrades	3-96	**525**	**549**	**525**	**1,125**	**725**	**625**	**4,074**
Energy Conservation	3-97		**200**	**150**	**200**	**100**	**100**	**750**
Civic Centre Car Park Tunnel	3-98		**200**				**100**	**300**
Tenant Improvement Prepayment - Major Department	3-99		**500**			**200**	**200**	**900**
Historic Buildings	3-100		**200**	**200**	**200**	**200**	**200**	**1,000**
Generator Set Replacement and Upgrades	3-101			**800**		**200**		**1,000**
Security/Building Automation System Initiatives	3-102	**125**	**125**	**225**	**225**	**225**	**140**	**1,065**
Community Centres - Refurbishing and Improvements - First Charge on 2011 Capital Budget for Expansion/Renovation of the Lindenwoods Community Centre, $410,000 (Council July 21, 2010)	3-103	**910**	**500**	**500**	**700**	**700**	**700**	**4,010**
Arenas	3-104	**525**	**525**	**525**	**525**	**525**	**525**	**3,150**
Indoor Aquatic Facilities	3-105	**2,240**	**2,530**	**2,530**	**2,530**	**2,530**	**2,530**	**14,890**
Outdoor Aquatic Facilities	3-106	**350**	**350**	**350**	**330**	**330**	**350**	**2,060**
Community Facilities	3-107	**410**	**200**	**200**	**200**	**200**	**200**	**1,410**
Building Asset / Work Management Program	3-108	**100**	**100**	**100**	**200**	**200**	**162**	**862**
UFF - Hockey Pen Light Standard Replacement	3-109	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Recreation and Leisure Facilities								
- Cash to Capital		**8,000**						**8,000**
- General Purpose Reserve (Repayment)		**(8,000)**						**(8,000)**
Total Recreation and Leisure Facilities	3-110							
University of Winnipeg - Soccer Complex								
- Proceeds from Glacial Sand and Gravel	3-111	**2,000**						**2,000**
TOTAL MUNICIPAL ACCOMMODATIONS		**8,885**	**7,679**	**8,905**	**8,665**	**8,835**	**8,252**	**51,221**

CAPITAL PROJECTS SUMMARY

(in Thousands of $)

	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
CITY CLERKS								
Corporate Records Centre	3-112		150					150
Election Systems	3-113			150	200			350
City Archives	3-114	500	500	500	500	500		2,500
Manitoba Children's Museum Capital Renewal Project - General Purpose Reserve	3-115	100						100
Le Cercle Moliére Theatre Facility - General Purpose Reserve	3-116	50						50
TOTAL CITY CLERKS		650	650	650	700	500		3,150
CORPORATE SUPPORT SERVICES								
Time and Labour	3-117	500						500
Consolidated Data Warehouse / Business Intelligence	3-118	925		169	153	218	203	1,668
Communications Network Infrastructure	3-119	638	593	277	541	566	553	3,168
Network Computing Initiatives	3-120	211	213	213	212	212	212	1,273
E-Government	3-121	310	467	629	655	603	573	3,237
PeopleSoft Upgrade	3-122	1,500	1,000	200				2,700
311 Renewal	3-123			300	646	729	335	2,010
Asset Management Program	3-124	200						200
TOTAL CORPORATE SUPPORT SERVICES		4,284	2,273	1,788	2,207	2,328	1,876	14,756
ASSESSMENT AND TAXATION								
Assessment Automation	3-125		500			750	500	1,750
OTHER PROJECTS								
Capital Investment Fund	3-126	7,899		150				8,049
Asset Management Initiative	3-127		100					100
TOTAL OTHER PROJECTS		7,899	100	150				8,149

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
TRANSIT								
Fare Collection System								
- Cash to Capital		**4,639**						**4,639**
- Manitoba Winnipeg Infrastructure Program (MWIP)		**231**						**231**
- Interim Financing (Repayment)		**(2,500)**						**(2,500)**
Total Fare Collection System	3-128	**2,370**						**2,370**
Innovative Transit Program	3-129		**800**	**800**	**800**	**800**	**1,000**	**4,200**
Transit Building Replacement / Refurbishment								
- Cash to Capital		**1,413**	**2,929**	**4,820**	**5,689**			**14,851**
- Federal Gas Tax/Interest		**5,880**	**6,480**	**5,880**	**5,880**	**2,940**	**4,171**	**31,231**
Total Transit Building Replacement / Refurbishment	3-130	**7,293**	**9,409**	**10,700**	**11,569**	**2,940**	**4,171**	**46,082**
Transit Buses								
- Cash to Capital		**882**	**421**	**5,279**	**5,594**	**4,301**	**10,835**	**27,312**
- Transit Bus Replacement Reserve		**9,036**	**8,196**	**7,466**	**7,466**	**7,466**	**7,466**	**47,096**
- Rapid Transit Infrastructure Reserve		**4,242**						**4,242**
- Provincial Building Manitoba Fund		**3,840**	**3,840**	**3,840**	**3,840**	**3,840**	**3,840**	**23,040**
- Federal Gas Tax						**2,940**	**1,709**	**4,649**
- Retained Earnings		**350**	**2,043**					**2,393**
Total Transit Buses	3-131	**18,350**	**14,500**	**16,585**	**16,900**	**18,547**	**23,850**	**108,732**
Asset Management Program								
- Cash to Capital			**200**					**200**
- Retained Earnings		**100**	**100**					**200**
Total Asset Management Program	3-132	**100**	**300**					**400**
TOTAL TRANSIT		**28,113**	**25,009**	**28,085**	**29,269**	**22,287**	**29,021**	**161,784**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
WATER & WASTE - TAX SUPPORTED								
Land Drainage and Flood Control								
Financed by Cash to Capital:								
Stormwater Retention Basin Rehabilitation	3-133	**200**		**400**		**400**		**1,000**
Flood Pumping Station Rehabilitation	3-134	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**6,000**
Land Drainage and Combined Sewers Outfall Gate Structures	3-135	**1,350**		**1,100**		**1,500**	**1,500**	**5,450**
Floodplain Management	3-136	**100**	**200**		**100**		**100**	**500**
Seine River Waterway Acquisition	3-137	**150**	**150**	**150**	**150**	**150**	**150**	**900**
Primary Dike Upgrading	3-138	**1,348**	**1,890**	**300**	**948**	**900**	**1,000**	**6,386**
Land Drainage Safety Upgrading Program	3-139		**100**		**100**			**200**
Land Drainage Asset Management Strategy	3-140			**200**				**200**
Land Drainage Utility Study and Implementation	3-141			**500**				**500**
Permanent Flood Pumping Stations	3-142		**250**					**250**
Flood Manual Upgrades	3-143				**900**	**500**		**1,400**
Land Drainage Supervisory Control and Data Acquisition (SCADA) System	3-144	**100**	**100**	**100**	**100**			**400**
Outfall Rehabilitation	3-145	**1,550**	**1,750**	**1,300**	**1,200**	**1,200**	**1,508**	**8,508**
Financed by Sewer System Rehabilitation Reserve:								
Combined Sewer Flood Relief	3-146		**4,000**	**11,000**	**10,000**	**10,000**	**10,000**	**45,000**
Flood Relief Sewers - Separate	3-147	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Financed by Developer Capacity Charges:								
Development Agreement Paybacks	3-148		**500**	**500**	**500**	**500**	**500**	**2,500**
Fernbank Avenue Land Drainage Sewer	3-149			**875**				**875**
TOTAL WATER AND WASTE - TAX SUPPORTED		**6,098**	**10,240**	**17,725**	**15,298**	**16,450**	**16,058**	**81,869**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		Budget	Forecast					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
WATER WORKS SYSTEM								
Financed by Waterworks Retained Earnings:								
Saskatchewan Avenue Watermain	3-150			**3,900**				**3,900**
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	3-151	**1,800**	**2,900**					**4,700**
Shoal Lake Intake Chloramination Facility	3-152		**2,000**					**2,000**
General Water Infrastructure Rehabilitation	3-153		**300**	**300**	**500**	**500**	**1,000**	**2,600**
Waverley West Feedermain	3-154			**6,800**				**6,800**
Feedermain Condition Assessment and Rehabilitation	3-155	**500**	**500**	**500**	**1,000**	**1,000**	**1,000**	**4,500**
Water Utility Asset Management Strategy	3-156		**200**					**200**
Water Supply Valve Installation / Replacement Program	3-157	**750**	**750**	**750**	**750**	**750**	**750**	**4,500**
Hurst Pumping Station Building - Structural Repairs	3-158	**900**						**900**
Chlorination Decommission at Regional Pump Stations	3-159		**115**					**115**
Deacon Chemical Feed Facility Upgrading	3-160	**1,000**						**1,000**
Regional Pumping Stations Structural Upgrades	3-161		**500**					**500**
Wilkes Reservoir "B" Pit Upgrades/Rehabilitation	3-162	**600**						**600**
Regional Pumping Stations Reliability Upgrades	3-163	**1,000**	**1,000**	**1,000**	**1,000**			**4,000**
Waterworks System Security Upgrades	3-164	**850**	**500**	**500**	**500**	**500**	**150**	**3,000**
Regulatory Assessment of Water System Infrastructure and Water Supply Sources	3-165				**610**			**610**
Shoal Lake Aqueduct Asset Preservation	3-166	**700**	**1,300**			**1,000**	**1,000**	**4,000**
Aqueduct Bridging Structure at Deacon	3-167	**600**						**600**
Deacon Reservoir Cell Rehabilitation Project (formerly Deacon Reservoir Box Culvert Rehabilitation and Embankment Repairs)	3-168	**1,400**	**750**					**2,150**
Deacon Booster Pumping Station Suction Header Divider Valve	3-169	**1,200**						**1,200**
Foundation Drainage Improvements for Deacon Booster Pumping Station	3-170	**250**						**250**
Water Works By-law 504/73 Revision	3-171	**175**						**175**
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-172	**110**						**110**
Deacon Site Flood Protection	3-173		**500**					**500**
Tache Booster Pumping Station	3-174		**500**	**3,000**	**1,800**			**5,300**
Water Treatment Research and Process Optimization Facility	3-175	**100**	**650**					**750**
Branch Aqueduct Condition Assessment and Rehabilitation	3-176		**500**	**500**	**1,000**			**2,000**
Water Services Division Operations Accreditation	3-177			**500**				**500**
Water Treatment Plant Upgrading	3-178						**10,000**	**10,000**
Ultraviolet Light Disinfection Upgrade/Rehabilitation	3-179						**4,000**	**4,000**
Water Service Line Asset Management and Rehabilitation Strategy	3-180			**500**	**500**	**550**	**550**	**2,100**
Aqueduct Information Management System	3-181			**200**				**200**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
WATER WORKS SYSTEM (continued)								
McPhillips Reservoir Slope Stabilization	3-182			120				120
Public Water Outlets	3-183				500			500
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-184	1,680						1,680
Meter Infrastructure Program	3-185	355	2,520					2,875
Customer Service Upgrade to Telephony Communications System	3-186	100						100
Total Financed by Waterworks Retained Earnings		14,070	15,485	18,570	8,160	4,300	18,450	79,035
Watermain Renewals - Watermain Renewal Reserve	3-187	13,500	14,000	15,000	16,000	17,000	17,000	92,500
TOTAL WATERWORKS SYSTEM (Utility Supported)		27,570	29,485	33,570	24,160	21,300	35,450	171,535
SEWAGE DISPOSAL SYSTEM								
Sewage Disposal System - Regional								
Financed by Sewage Disposal System Retained Earnings:								
Lift Stations Upgrading	3-188	2,000	2,000	750	750	750	750	7,000
Inflow / Infiltration / Cross-Connection Study and Mitigation	3-189			500	500	3,000		4,000
Sewer System Isolation in Areas Protected by Secondary Dikes	3-190	500	1,000	1,000				2,500
Raw Sewage Pump Replacement - NEWPCC	3-191	5,450			9,300			14,750
Upgrading External Power Supply - NEWPCC	3-192	1,000	5,000	4,000			15,000	25,000
Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres	3-193	2,800	3,000					5,800
Re-Roofing at Water Pollution Control Centres	3-194	400		400		400		1,200
Centrifuge Replacement - NEWPCC	3-195		1,500	8,000				9,500
River Crossings Monitoring and Rehabilitation	3-196	1,300	1,300	1,300	1,300	1,300	1,300	7,800
Water Pollution Control Centre Reliability Upgrades	3-197			5,000	5,000	5,000	5,000	20,000
Wastewater System Security Upgrades	3-198		500	500	500	500	500	2,500
Traffic Safety Upgrades - NEWPCC	3-199			2,450				2,450
Holding Tanks Restoration - NEWPCC	3-200	2,550		2,550				5,100
Primary Clarifier Covers - NEWPCC	3-201			500		25,000		25,500
Wastewater Utility Asset Management Strategy	3-202			200				200
New Discharge Chamber - NEWPCC	3-203			5,000	10,000			15,000
New Surgewell - NEWPCC	3-204		4,000	9,000				13,000
Grit Handling Upgrades - NEWPCC	3-205		2,400	4,900	6,600		5,000	18,900
Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development (formerly Cockburn & Jesse Lift Stations Upgrades to Facilitate Fort Rouge Yards Development)	3-206	300	2,000					2,300
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-207	110						110

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	Forecast 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
SEWAGE DISPOSAL SYSTEM (continued)								
Fernbank Interceptor	3-208						**8,000**	**8,000**
Warde Interceptor Extension	3-209						**3,200**	**3,200**
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-210	**1,680**						**1,680**
Sewer Service Line Asset Management and Rehabilitation Strategy	3-211				**500**	**500**	**550**	**1,550**
Digester Rehabilitation Project - NEWPCC	3-212	**5,000**	**1,000**	**1,000**	**1,000**	**1,000**		**9,000**
Distributed Control System (DCS) & Human Machine Interface (HMI) upgrades at Water Pollution Control Centres (WPCCs)	3-213	**3,000**	**1,000**	**1,000**				**5,000**
Grit Tank Refurbishment - SEWPCC	3-214	**250**						**250**
Centralized Facilities Renovation	3-215	**150**						**150**
552 Plinguet Wastewater Services Garage Structural Rehabilitation	3-216	**400**						**400**
Customer Service Upgrade to Telephony Communications System	3-217	**100**						**100**
Secondary Clarifier Refurbishment - NEWPCC	3-218	**100**	**300**	**300**	**300**			**1,000**
Total Financed by Sewage Disposal Retained Earnings		**27,090**	**25,000**	**48,350**	**35,750**	**37,450**	**39,300**	**212,940**
Environmental Impact Statement and Public Hearings - Environmental Reserve	3-219	**200**	**200**	**100**	**100**	**100**		**700**
Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation - Environmental Reserve	3-220	**4,100**	**16,200**	**17,200**	**16,200**	**16,200**	**17,200**	**87,100**
Biosolids - Alternative Disposal Delivery & Management System								
- Environmental Reserve		**3,000**	**9,149**	**3,459**	**5,020**	**5,023**		**25,651**
- External Debt			**7,851**	**46,541**	**44,980**	**24,977**		**124,349**
Total Biosolids - Alternative Disposal Delivery & Management System	3-221	**3,000**	**17,000**	**50,000**	**50,000**	**30,000**		**150,000**
Nutrient Removal - NEWPCC - External Debt	3-222		**150,000**	**150,000**	**65,000**			**365,000**
Total Sewage Disposal System - Regional		**34,390**	**208,400**	**265,650**	**167,050**	**83,750**	**56,500**	**815,740**
Sewer Renewal - Sewer System Rehabilitation Reserve	3-223	**13,200**	**13,900**	**14,600**	**15,300**	**16,100**	**16,900**	**90,000**
TOTAL SEWAGE DISPOSAL SYSTEM		**47,590**	**222,300**	**280,250**	**182,350**	**99,850**	**73,400**	**905,740**

CAPITAL PROJECTS SUMMARY		PRELIMINARY CAPITAL						
(in Thousands of $)	DETAIL PAGE NO.	Budget	Forecast					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
SOLID WASTE DISPOSAL SYSTEM								
Summit Landfill Closure / Post-Closure								
- Retained Earnings	3-224	**400**	**400**	**400**				**1,200**
Miscellaneous Land Acquisition								
- Retained Earnings	3-225				**200**			**200**
Landfill Cell Excavation								
- Retained Earnings	3-226			**1,300**	**1,330**	**1,370**	**1,410**	**5,410**
Summit Landfill Leachate Collection Assessment								
- Retained Earnings	3-227		**200**					**200**
Closed Landfills Disposition Study								
- Retained Earnings	3-228		**200**					**200**
Provision for Implementation of the Waste Management Strategy								
- External Debt	3-229		**23,500**	**2,000**				**25,500**
TOTAL SOLID WASTE DISPOSAL SYSTEM		**400**	**24,300**	**3,700**	**1,530**	**1,370**	**1,410**	**32,710**
SPECIAL OPERATING AGENCIES								
WINNIPEG GOLF SERVICES								
Golf Course Improvements								
- Cash to Capital		**(23)**	**(23)**	**(23)**	**(23)**	**(23)**		**(115)**
- Golf Course Reserve		**173**	**173**	**23**	**23**	**23**		**415**
TOTAL WINNIPEG GOLF SERVICES	3-230	**150**	**150**					**300**
TOTAL SPECIAL OPERATING AGENCIES		**150**	**150**					**300**

Back to Table of Contents

The City of Winnipeg

Capital Projects Detail

2011
Preliminary Capital Budget

and

2012 to 2016
Five Year Forecast

Table of Contents

Capital Projects Listing by Department

Public Works 3-1

Local Improvements 3-50

Community Services 3-51

Winnipeg Police Service 3-66

Fire Paramedic Service 3-80

Planning, Property and Development 3-82

Municipal Accommodations 3-94

City Clerks 3-112

Corporate Support Services 3-117

Assessment and Taxation 3-125

Other Projects 3-126

Transit 3-128

Water and Waste 3-133

Winnipeg Golf Services 3-230

Notes:

1. Capital budget amounts are estimates only and are subject to materials management policy (e.g. tenders, bids, and contract awards including Public Private Partnership proposals).

2. In the attached Capital Projects Listing, tax supported capital projects are financed by cash to capital unless another funding source is disclosed for the project. In addition, the Manitoba Winnipeg Infrastructure Program and Provincial funding for Road Improvements financing amounts are not all allocated to individual capital projects. These unallocated financing amounts will offset cash to capital requirements.

3. The Public Service uses the Association for the Advancement of Cost Engineering (AACE) International Classification system for capital budget estimate purposes for all non-scalable projects. Capital estimates for non-scalable projects contained in this budget document are supported by a class 4 or 5 estimate, unless specifically noted.

Project Name: **Recreational Walkways and Bike Paths - Various Locations**

Department: Public Works
Project: 183200XX11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,000	500	500	500	500	500	2,500	3,500
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000
Provincial Funding for Road Improvements	3,700	500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	925	500	500	500	500	500	75	3,500
Financed by:								
Cash to Capital	425	500	500	500	500	500	75	3,000
Provincial Funding for Road Improvements	500							500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	56	30	30
Less:			
Operating expenditures increase/(decrease)	5	8	10
Debt and finance charges increase		40	88
SURPLUS/(DEFICIT)	51	(18)	(68)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Program for the construction of new recreational walkways and bike paths facilities where no walkway or cycle facility presently exists, and where the provision of such a facility is warranted.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **New Regional Sidewalks**

Department: Public Works
Project: 183200XX11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	250	250	250	250	250	250	1,250	1,500
Financed by:									
Cash to Capital		250	250	250	250	250	250	1,250	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	213	250	250	250	250	250	37	1,500
Financed by:								
Cash to Capital	213	250	250	250	250	250	37	1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	13	15	15
Less:			
Operating expenditures increase/(decrease)	1	2	3
Debt and finance charges increase		20	44
SURPLUS/(DEFICIT)	12	(7)	(32)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Annual program for the construction of new sidewalks on regional streets where none presently exist and where provision is warranted.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Active Transportation Corridors**

Department: Public Works
Project: 183200XX11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	500	500	500	500	2,500	3,000
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	425	500	500	500	500	500	75	3,000
Financed by:								
Cash to Capital	425	500	500	500	500	500	75	3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	26	30	30
Less:			
Operating expenditures increase/(decrease)	133	266	399
Debt and finance charges increase		40	88
SURPLUS/(DEFICIT)	(107)	(276)	(457)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Marking of "sharrows" symbol on the road and associated signage.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Active Transportation Project - Infrastructure Stimulus Fund**

Department: Public Works
Project: 183200XX10

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	20,413	2,958	-	-	-	-	-	-	2,958
Financed by:									
Cash to Capital	6,805								-
Provincial Government Funding	6,804								-
Infrastructure Stimulus Fund	6,804								-
Transfer from Departmental Non-specified Capital Account		2,000						-	2,000
Transfer from Kenaston Underpass Project		958						-	958

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,514	444	-	-	-	-	-	2,958
Financed by:								
Transfer from Departmental Non-specified Capital Account	1,700	300						2,000
Transfer from Kenaston Underpass Project	814	144						958

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	50	9	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		239	282
SURPLUS/(DEFICIT)	50	(230)	(282)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

To complete the projects for the joint Federal-Provincial-City investments to Winnipeg's Active Transportation facilities as approved by Council on December 15, 2010.

Project Name: **Traffic Signals Enhancement**

Department: Public Works
Project: 183400XX11

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	7,400	2,300	2,300	-	-	-	-	2,300	4,600
Financed by:									
Cash to Capital		2,300	2,300					2,300	4,600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,955	2,300	345	-	-	-	-	4,600
Financed by:								
Cash to Capital	1,955	2,300	345					4,600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	117	138	21
Less:			
Operating expenditures increase/(decrease)	10	20	30
Debt and finance charges increase		186	405
SURPLUS/(DEFICIT)	107	(68)	(414)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A program whose main goal is to improve the movement of people and goods using the transportation system by improving the coordination of traffic signals along major corridors in the City.

- Increases existing system capacity by providing full monitoring capability of local controller operations.
- Provides a multi-protocol communications system that allows for the use of the existing field equipment as well as for the future procurement of different controller types from different manufacturers.
- Provides capacity for future system expansion.
- Upgrades remaining electro-mechanical signal controllers to full electronic technology.
- Minimizes on-going communications costs by using standard low speed communications circuits (both wireline and wireless) with up to 32 intersections per circuit, and maximizing the use of local intersection control equipment for both local and coordinated operations (and as a backup in the event of a communications failure).

Project Name: **Developer Payback - Various Locations**

Department: Public Works
Project: 180700xx11

Capital Priority Rating: 2 - 3
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,600	9,000	2,000	-	-	-	11,000	13,600
Financed by:									
Cash to Capital		2,305	9,000	2,000				11,000	13,305
Developer Funding		295						-	295

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,600	9,000	2,000	-	-	-	-	13,600
Financed by:								
Cash to Capital	2,305	9,000	2,000					13,305
Developer Funding	295							295

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	78	270	60
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		219	1,076
SURPLUS/(DEFICIT)	78	51	(1,016)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A development agreement payback is the required funding to enable the City to fulfill a Council approved contractual obligation for certain works constructed by the developer within the right-of-way.

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
Lagimodiere Boulevard & Warde Avenue intersection	500						500
Waverley Street twinning Tim Sale to northern limit of Ladco property	2,100						2,100
Plessis Road twinning		9,000					9,000
Bison Drive & Waverley Street intersection			2,000				2,000
	2,600	9,000	2,000	-	-	-	13,600

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.
** Supported by class estimates ranging from 1 to 4, see Appendix # 2.

Project Name: **Tuxedo Yards Development**

Department: Public Works
Project: 18xxxxxxxx

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,667	3,117	3,166	-	700	1,100	1,600	6,566	9,683
Financed by:									
Economic Development Investment Reserve		450	500		700	1,100	1,600	3,900	4,350
Provincial Government Funding	2,667	2,667	2,666					2,666	5,333

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	3,117	3,166	-	700	1,100	1,600	12,361	22,044
Financed by:								
Economic Development Investment Reserve	450	500		700	1,100	1,600	12,361	16,711
Provincial Government Funding	2,667	2,666						5,333

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9		
Less:			
Operating expenditures increase/(decrease)	70	90	90
Debt and finance charges increase		29	29
SURPLUS/(DEFICIT)	(61)	(119)	(119)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On March 25, 2009, Council approved the recommendations contained in the "Tuxedo Yards Redevelopment" report and directed the Public Service to enter into a Strategic Economic Agreement with the Developer for the development of 1.5 million square feet of mixed-use commercial development at the southwest and northwest quadrants of Sterling Lyon Parkway and Kenaston Boulevard. Pursuant to this Agreement, the Developer is responsible for the financing of all costs (estimated total of $26.5 million) of off-site infrastructure and servicing, any acquisitions of land required and of relocating Manitoba Hydro services located in City right-of-ways. Further, the Developer is entitled to recover from the City $14M of such costs (plus interest) subject to the conditions outlined in the Strategic Economic Agreement.

The Agreement also includes provisions regarding the responsibility of the Developer for the acquisition of certain lands (to a maximum of $450,000) and the construction and/or modification of certain railway crossings (to a maximum of $500,000). The Agreement provides that these costs will be funded by the City of Winnipeg and deducted from the $14 million entitled to be recovered by the Developer.

On September 14, 2009, the City of Winnipeg (City) and the Province of Manitoba (Province) entered into the "Manitoba - Winnipeg Offsite Infrastructure Funding Agreement" whereby the Province will provide $8 million in funding, payable in equal instalments from 2010 to 2012, to the City. The City will in turn pay the Developer the equivalent amount upon receipt of payment from the Province.

Amounts budgeted from 2014 onward represent repayment to the Developer of the $14M City contribution plus interest and are equivalent to estimated incremental municipal realty taxes to be generated by the development.

Project Name: **Kenaston Boulevard - Academy Road to Taylor Avenue**

Department: Public Works
Project: 1803000601

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

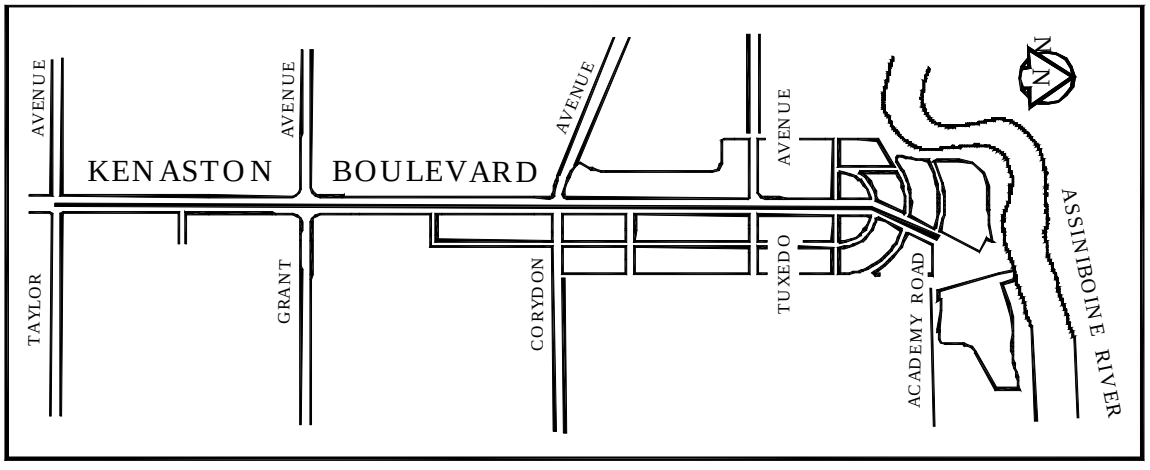
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,900	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital		100	100	100	100	100	100	500	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	85	100	100	100	100	100	15	600
Financed by:								
Cash to Capital	85	100	100	100	100	100	15	600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	5	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		8	18
SURPLUS/(DEFICIT)	5	(2)	(12)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The estimate includes funding for the provision of maintenance of the roadway until the facility is reconstructed. On April 19, 1995, Council approved the expenditure of $100,000 annually until the construction of the permanent rehabilitation.



Project Name: **Traffic Engineering Improvements - Various Locations**

Department: Public Works
Project: 183100xx11

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,950	1,050	1,150	1,250	1,250	1,250	5,950	7,900
Financed by:									
Cash to Capital		1,950	1,050	1,150	1,250	1,250	1,250	5,950	7,900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,658	1,185	1,135	1,235	1,250	1,250	187	7,900
Financed by:								
Cash to Capital	1,658	1,185	1,135	1,235	1,250	1,250	187	7,900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	99	71	68
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		158	271
SURPLUS/(DEFICIT)	99	(87)	(203)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an annual program which includes city-wide installation of:

- new traffic control signals and pedestrian corridors,
- audible pedestrian signals,
- roadside safety improvements,
- traffic calming measures,
- miscellaneous geometric improvements,
- traffic sign replacements,
- railway crossing safety improvements,
- traffic signals system enhancement program.

Funding in 2011 will allow for the completion of a number of high priority intersection geometric improvements.

On July 21, 2010 Council approved a first call on the 2011 Budget in the amount of $111,300 for the replacement of the pedestrian corridor at Osborne and Wardlaw with a half signal.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Regional and Local Streets**

Department: Public Works
Project: 180400xx11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	42,946	28,323	36,284	42,887	40,549	44,828	192,871	235,817
Financed by:									
Cash to Capital		13,570	5,968	19,929	26,532	24,194	28,473	105,096	118,666
Interim Financing		(4,150)						-	(4,150)
Federal Gas Tax		26,026	15,355	9,355	9,355	9,355	9,355	52,775	78,801
Provincial Building Manitoba Fund - Roads		7,000	7,000	7,000	7,000	7,000	7,000	35,000	42,000
Provincial Funding for Road Improvements		500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	40,911	29,463	34,190	41,897	40,900	44,186	4,270	235,817
Financed by:								
Cash to Capital	11,535	7,108	17,835	25,542	24,545	27,831	4,270	118,666
Interim Financing	(4,150)							(4,150)
Federal Gas Tax	26,026	15,355	9,355	9,355	9,355	9,355		78,801
Provincial Building Manitoba Fund - Roads	7,000	7,000	7,000	7,000	7,000	7,000		42,000
Provincial Funding for Road Improvements	500							500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	2,455	1,768	2,051
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		703	1,380
SURPLUS/(DEFICIT)	2,455	1,065	671

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Regional and Local Streets program includes the renewal and reconstruction of the City's streets, sidewalks, lanes, and recreational walkways/paths. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network.

See next page for program details.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Note: Any surplus funds will automatically be transferred to the following years Regional and Local Streets Program Budget.

Future projects in Regional and Local Street Renewals	Authorization						
Program includes the following (all figures in 000's):	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**Six-Year Total**
Regional Sidewalk and Curb Renewals:							
Sidewalk and Curb Renewals - Regional Streets	500	500	500	500	500	500	3,000
Sidewalk and Curb Renewals - Downtown Regional Streets	500	500	500	500	500	500	3,000
Regional Paving of Granular Shoulders:							
Paving of Granular Shoulders - Regional Streets	250	250	250	250	250	250	1,500
Regional Accessibility Improvements:							
Detectable Warning Surface Tiles - Regional Streets	100	100	100	100	100	100	600
Regional Major Rehabilitation Works:							
Corydon Avenue - Cambridge Street to Kenaston Boulevard	600	700	500	500	500	500	3,300
Logan Avenue - Trinity to McPhillips	4,410						4,410
King Edward SB - Dublin to Saskatchewan	1,840						1,840
Dugald Road WB - Plessis to Mazenod	2,120						2,120
Bison Drive and Pembina Hwy - Intersection Improvements	3,710						3,710
Dugald Road WB - Mazenod to Lagimodiere		2,100					2,100
Fort Street - Graham to Portage		1,200					1,200
Pembina Hwy SB - University Cres. to Markham Rd.			5,150				5,150
Ness Ave. - 150 meters west of Conway to Whytewold Rd.			3,000				3,000
St James St. - Sargent to Wellington			1,380				1,380
McGillivray EB - Irene to Pembina			1,640				1,640
Regional Mill and Fill Rehabilitation Works:							
Mc Phillips St NB - Notre Dame to Logan	580						580
Route 90 NB - Dublin to Pacific	720						720
Pembina Hwy NB - Bishop Grandin to Crescent Drive	2,720						2,720
Portage Ave WB - Cavalier to David	460						460
Portage Ave EB - Woodhaven to Lake	495						495
Portage Ave EB - Sharp to Woodlawn	230						230
St. Anne's Rd NB - Beliveau to Fermor	775						775
Keewatin St SB - Selkirk to Hekla	130						130
St. Mary's Road - Eugenie to Tache		350					350
Portage Ave WB - Aldine to Sturgeon		885					885
Mc Phillips St SB - Logan to Notre Dame		670					670
Lagimodiere Blvd NB - Fermor to Cottonwood		950					950
Century St NB - Wellington to Saskatchewan		375					375
McPhillips St NB - Selkirk to Redwood			460				460
McPhillips St SB - Redwood to Selkirk			460				460
St Anne's Rd - Fermor to Lavalee			975				975
Lagimodiere Blvd NB - Cottonwood to Maginot			1,250				1,250
Main St SB - Smithfield to Inkster			370				370
Regional Street Renewals - Annual Program - Various locations to be identified.	6	93	99	21,387	19,049	23,328	63,962
Granular Roadway Improvements	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Lane Renewals - Various Locations	2,750	2,750	2,750	2,750	2,750	2,750	16,500
Sidewalk Renewals on Local Streets - Various Locations	400	400	400	400	400	400	2,400
Local Street Renewals - Various Locations	12,000	10,000	10,000	10,000	10,000	10,000	62,000
Local Thin Bituminous Overlay (TBO)	2,000	3,000	3,000	3,000	3,000	3,000	17,000
Recreational Walkways and Bike Pathway Renewals	950	500	500	500	500	500	3,450
Grassie Boulevard and Molson Street - Roundabout	1,700						1,700
Total Regional and Local Streets Program	**42,946**	**28,323**	**36,284**	**42,887**	**40,549**	**44,828**	**235,817**

Project Name: **Sturgeon Road Bridge (Sturgeon Creek)**

Department: Public Works
Project: 1805000210
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

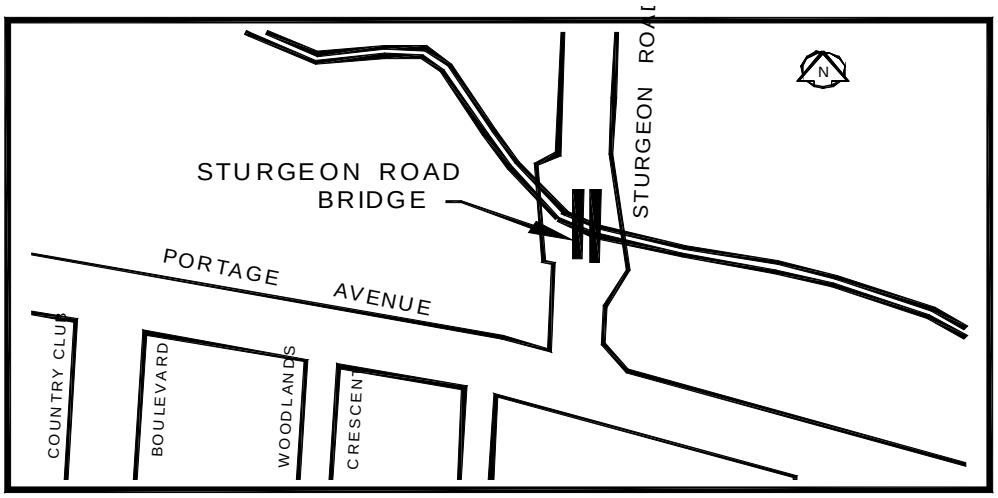
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	533	11,477	-	-	-	-	11,477	12,010
Financed by:									
Cash to Capital	500	266	5,744					5,744	6,010
Provincial Funding for Road Improvements	500	267	5,733					5,733	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	453	9,835	1,722	-	-	-	-	12,010
Financed by:								
Cash to Capital	226	4,922	862					6,010
Provincial Funding for Road Improvements	227	4,913	860					6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	27	590	103
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		43	979
SURPLUS/(DEFICIT)	27	547	(876)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Construct a new bridge to replace existing deteriorated structure. The new structure will eliminate truck load restrictions and allow for a linear pedestrian pathway along Sturgeon Creek underneath the bridge. Preliminary engineering design in 2010 (previous budgets), detailed design in 2011, with construction in 2012.



Project Name: **Osborne Street Bridge (Assiniboine River)**

Department: Public Works
Project: 1805000209
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,355	10,100	7,255	-	-	-	-	7,255	17,355
Financed by:									
Cash to Capital	677	6,712	4,121					4,121	10,833
Provincial Funding for Road Improvements	678	3,388	3,134					3,134	6,522

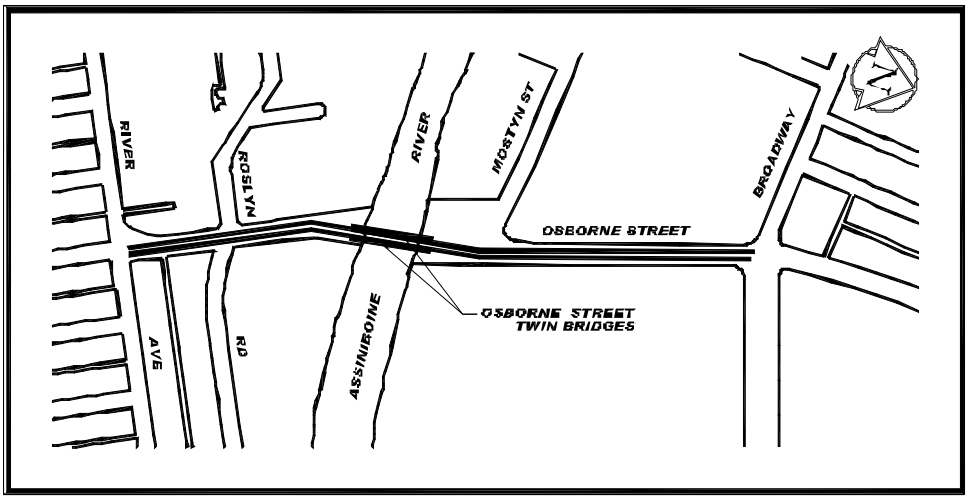
CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	9,093	7,644	618	-	-	-	-	17,355
Financed by:								
Cash to Capital	5,705	4,510	618					10,833
Provincial Funding for Road Improvements	3,388	3,134						6,522

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	546	459	37
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		543	972
SURPLUS/(DEFICIT)	546	(84)	(935)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full rehabilitation of the bridge including roadside safety improvements, rehabilition and widening of roadway from River to Broadway, with active transportation facilities. Preliminary engineering design in 2009, detailed engineering design in 2010 with construction over a two-year period in 2011 and 2012.

** Supported by class estimate 3, see Appendix # 2.



Project Name: **Waverley Street / CN Mainline Grade Separation**

Department: Public Works
Project: 180500xx12

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

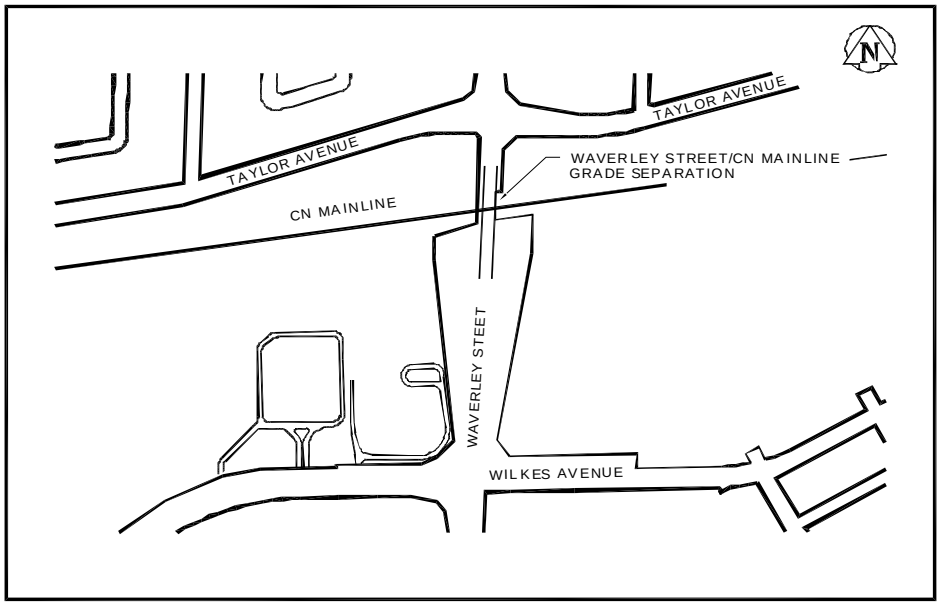
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,000	-	-	-	-	1,000	1,000
Financed by:									
Cash to Capital			1,000					1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	850	150	-	-	-	-	1,000
Financed by:								
Cash to Capital		850	150					1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		51	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			81
SURPLUS/(DEFICIT)	-	51	(72)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2012 - Includes conceptual engineering, study, and public consultation.



Project Name: **Louise Bridge (Red River)**

Department: Public Works
Project: 180500xx13

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

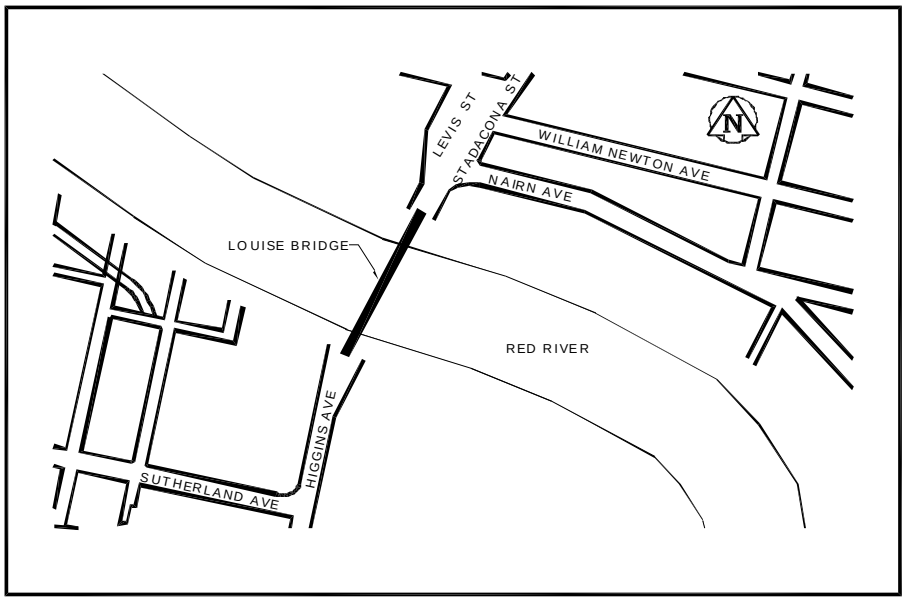
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	2,581	-	2,000	-	4,581	4,581
Financed by:									
Cash to Capital				2,581		2,000		4,581	4,581

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	2,194	387	1,700	300	-	4,581
Financed by:								
Cash to Capital			2,194	387	1,700	300		4,581

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			132
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	132

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2013 - Project budget shown is to undertake conceptual design, preliminary design, public consultation, and property acquisition. 2015 - Engineering detailed design. Options for the potential rehabilitation or replacement will be considered. If a new four lane replacement bridge on its current alignment is required the total estimated project budget is $100,000,000 assuming construction is undertaken in 2016 and 2017.



Project Name: **CPR Yards Functional Crossing Study - between McPhillips Street and Main Street**

Department: Public Works
Project: 180500xxx13
Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,500	-	-	-	1,500	1,500
Financed by:									
Cash to Capital				1,500				1,500	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	1,500	-	-	-	-	1,500
Financed by:								
Cash to Capital			1,500					1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			90
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	90

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Arlington Street Overpass is nearing the end of its useable service life. Within 10 years the Overpass will have to be replaced, undergo major reconstruction or be decommissioned with enhancements to other routes. The purpose of this study is to develop a cost effective functional plan to be implemented within the 10-year time frame. The study will include transportation planning, structural evaluation, conceptual design and public consultation. Budget allocation is based on a Class 4 estimate.

Project Name: **Fermor Avenue Bridge (Seine River)**

Department: Public Works
Project: 180500xx16

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

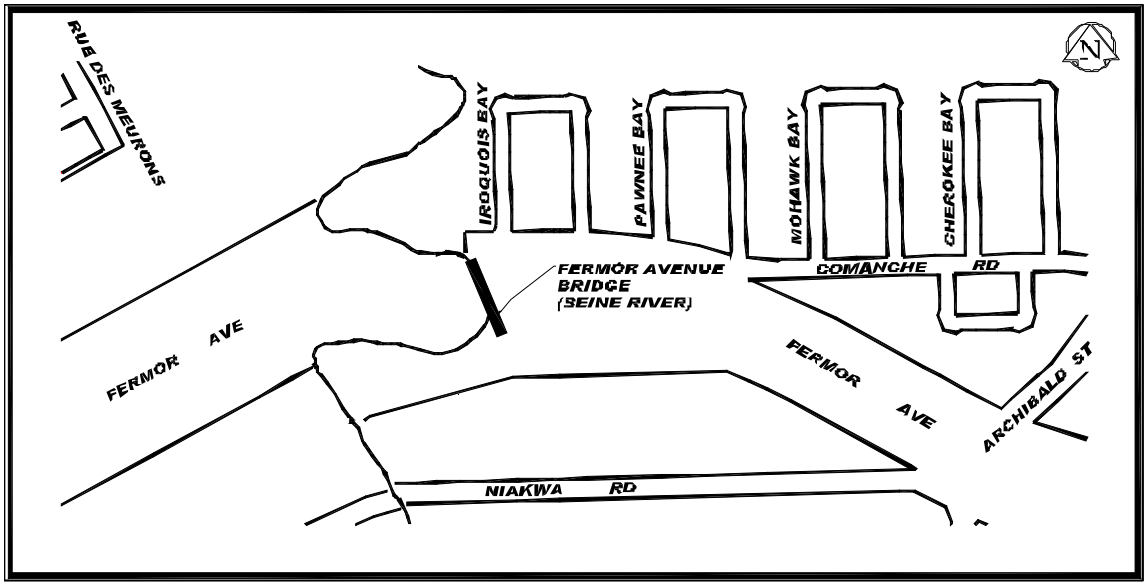
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	500	500	500
Financed by:									
Cash to Capital							500	500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	425	75	500
Financed by:								
Cash to Capital						425	75	500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Bridge rehabilitation with preliminary design in 2016, detailed design in 2017 and construction in 2018.



Project Name: **Saskatchewan Avenue Culvert (Sturgeon Creek)**

Department: Public Works
Project: 180500xx16

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

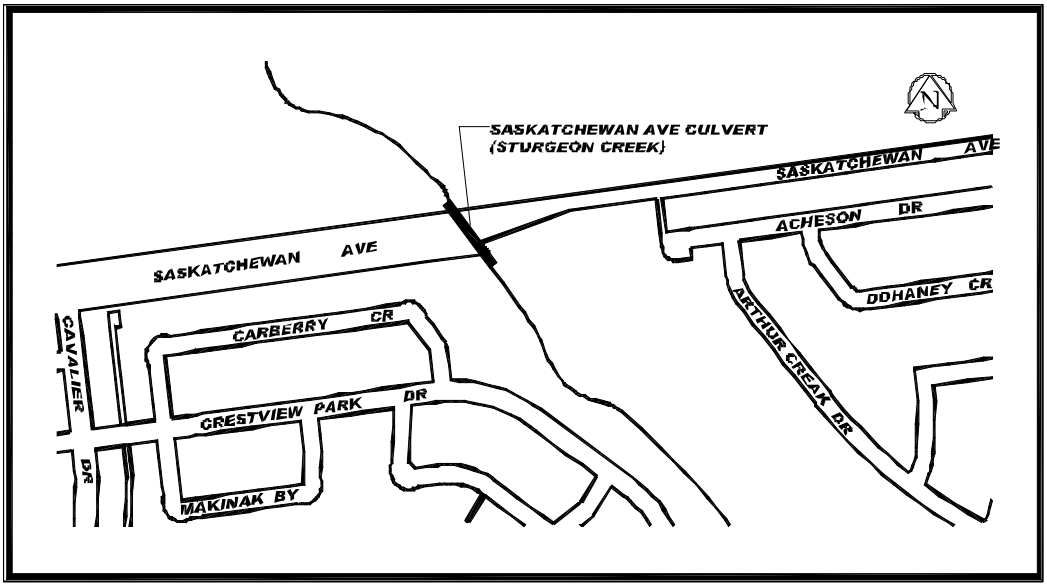
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	1,000	1,000	1,000
Financed by:									
Cash to Capital							1,000	1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	850	150	1,000
Financed by:								
Cash to Capital						850	150	1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Replace existing culvert structure with a new bridge. Undertake preliminary engineering in 2016, detailed engineering in 2017, and construction in 2018.



Project Name: **Pembina Highway Underpass**

Department: Public Works
Project: 180500xx11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

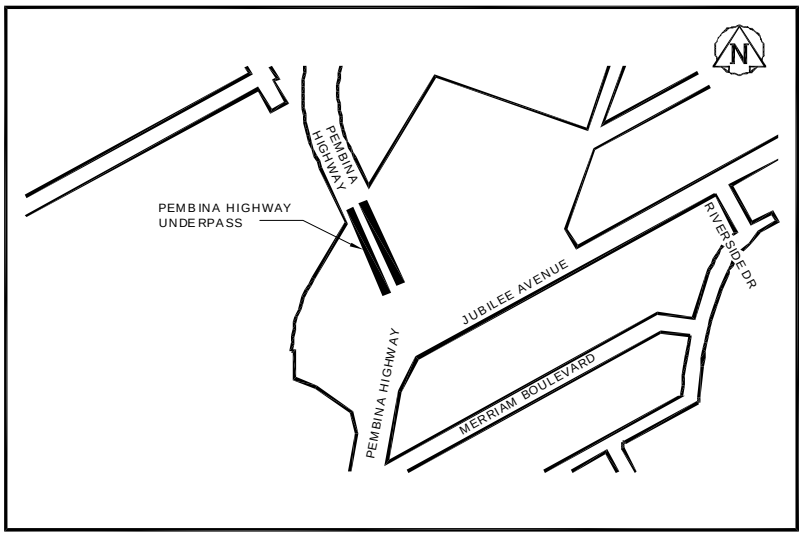
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,300	-	7,000	6,000	-	-	13,000	14,300
Financed by:									
Cash to Capital		650		3,500	3,150			6,650	7,300
Provincial Funding for Road Improvements		650		3,500	2,850			6,350	7,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,203	98	6,475	6,053	471	-	-	14,300
Financed by:								
Cash to Capital	553	98	2,975	3,203	471			7,300
Provincial Funding for Road Improvements	650		3,500	2,850				7,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	72	6	389
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		53	62
SURPLUS/(DEFICIT)	72	(47)	327

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Preliminary engineering in 2011. 2013 & 2014 - Widen northbound to 3 lanes. Construct pedestrian/active transportation access through the CN Rail Embankment. Improve land drainage/pumping and reconstruct pavement in both directions.



Project Name: **St. James Street Bridge (Omand's Creek)**

Department: Public Works
Project: 180500xx12
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

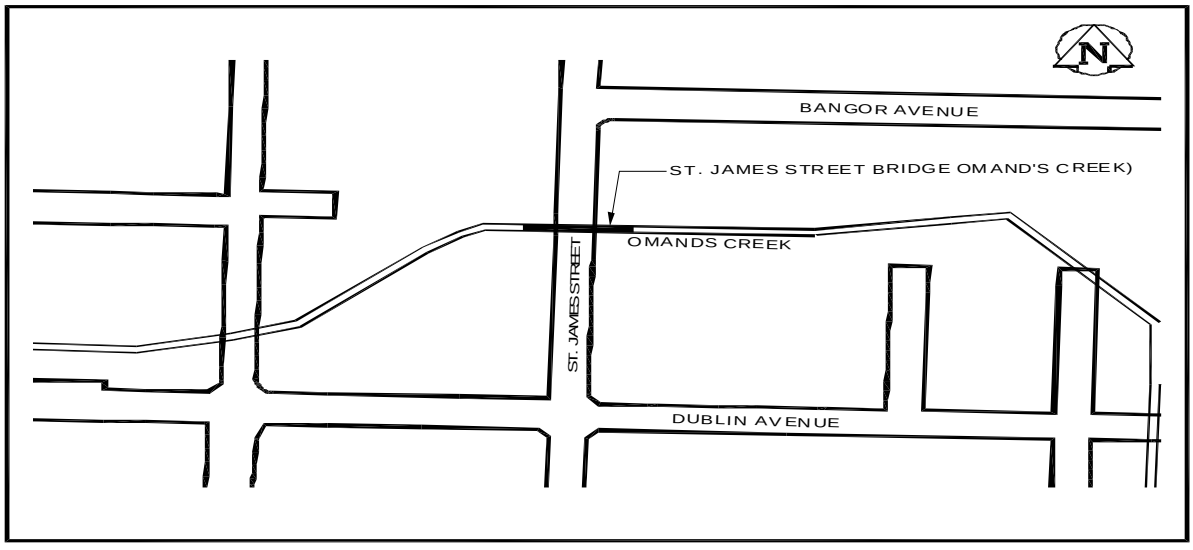
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	1,961	-	-	-	2,161	2,161
Financed by:									
Cash to Capital			200	1,961				2,161	2,161

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	170	1,697	294	-	-	-	2,161
Financed by:								
Cash to Capital		170	1,697	294				2,161

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		10	102
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			16
SURPLUS/(DEFICIT)	-	10	86

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2012 - Preliminary engineering design. 2013 - Detailed design and construction to undertake full rehabilitation and safety improvements.



Project Name: **Ness Avenue Culvert (Sturgeon Creek)**

Department: Public Works
Project: 180500xx13
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

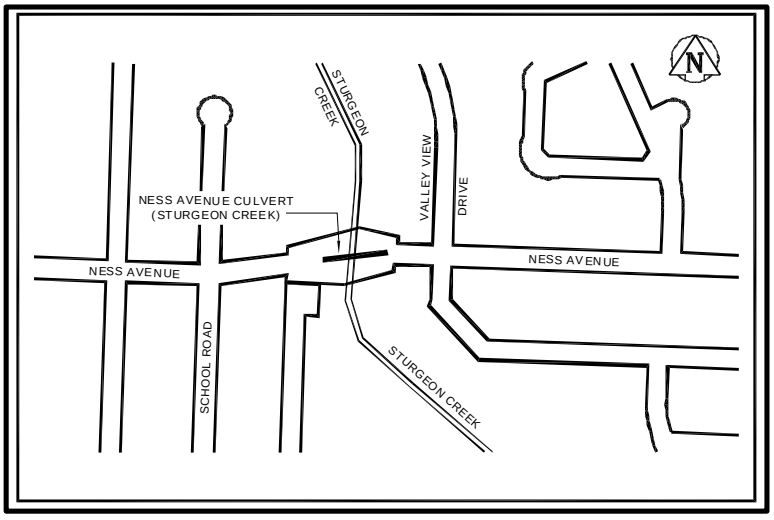
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,000	2,000	8,000	-	11,000	11,000
Financed by:									
Cash to Capital				1,000	2,000	8,000		11,000	11,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	850	1,850	7,100	1,200	-	11,000
Financed by:								
Cash to Capital			850	1,850	7,100	1,200		11,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			51
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	51

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Replace existing structure with a new bridge. Undertake preliminary engineering in 2013, detailed engineering in 2014, and construction in 2015.



Project Name: **Portage Avenue Bridge (Sturgeon Creek)**

Department: Public Works
Project: 180500xx12
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

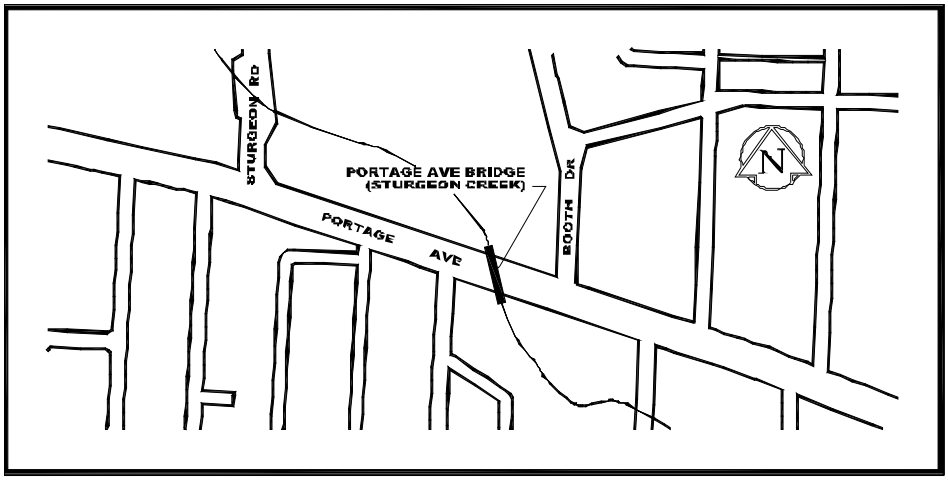
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	500	5,000	-	-	6,000	6,000
Financed by:									
Cash to Capital			500	500	5,000			6,000	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	425	500	4,325	750	-	-	6,000
Financed by:								
Cash to Capital		425	500	4,325	750			6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		26	30
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			40
SURPLUS/(DEFICIT)	-	26	(10)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full bridge rehabilitation with a total budget requirement of $6,000,000. 2012 - Preliminary Design $500,000; 2013 - Detailed Design $500,000; 2014 - Construction $5,000,000.



Project Name: **Saskatchewan Avenue Bridge (Omand's Creek)**

Department: Public Works
Project: 180500xx14

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

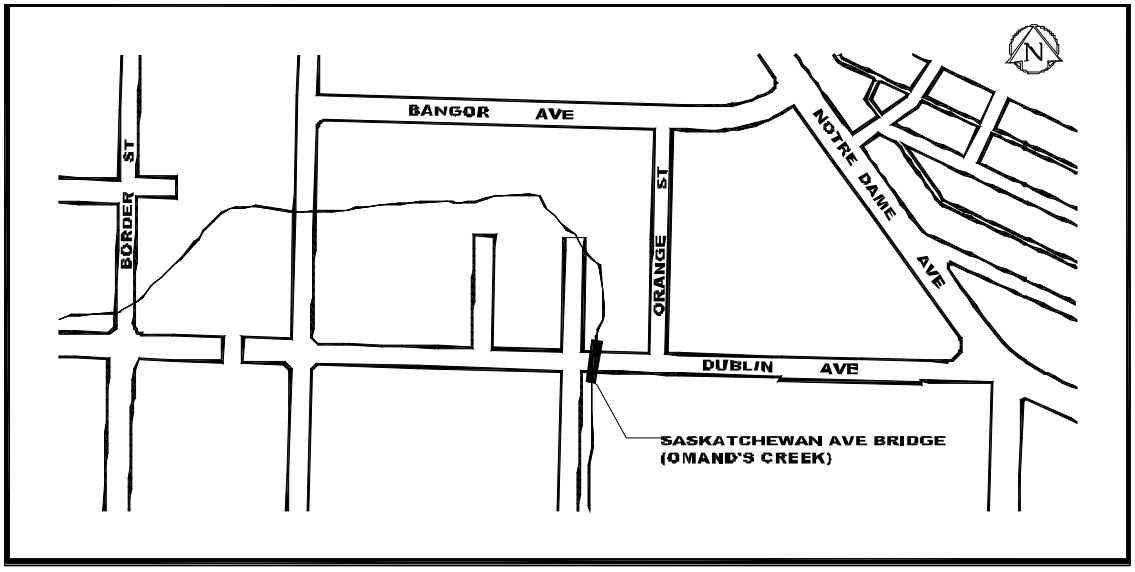
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	2,000	-	2,500	2,500
Financed by:									
Cash to Capital					500	2,000		2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	425	1,775	300	-	2,500
Financed by:								
Cash to Capital				425	1,775	300		2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Bridge replacement with a total budget requirement of $2,500,000. Preliminary/detailed engineering in 2014 budgeted for $500,000 and construction in 2015 budgeted for $2,000,000.



Project Name: **Lyndale Drive - Retaining Wall Rehabilitation**

Department: Public Works
Project: 180500xx14

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

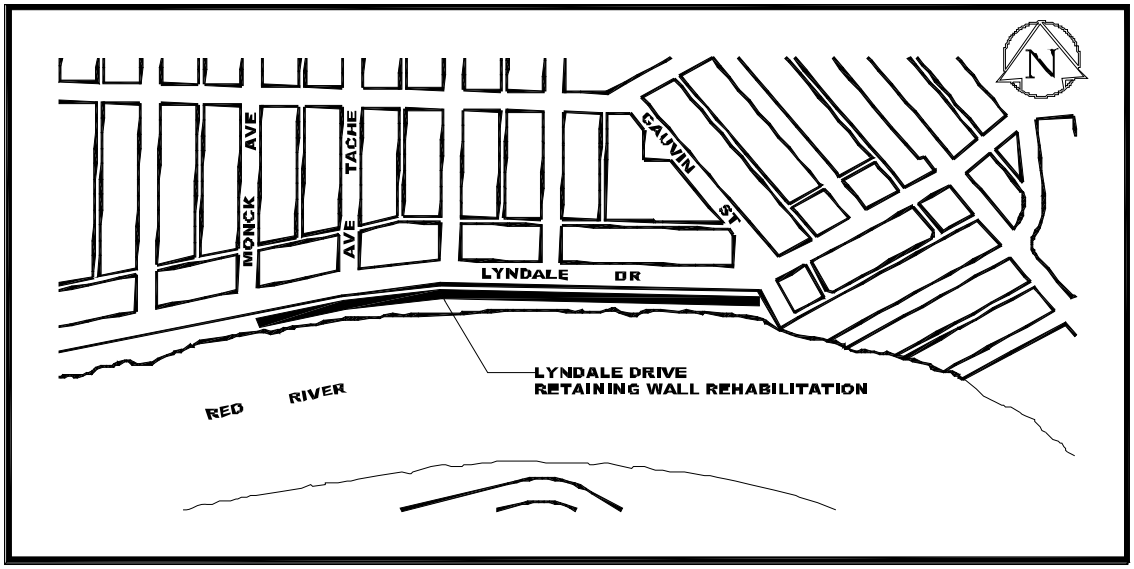
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	500	3,000	4,000	4,000
Financed by:									
Cash to Capital					500	500	3,000	4,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	425	500	2,625	450	4,000
Financed by:								
Cash to Capital				425	500	2,625	450	4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This retaining wall forms part of the Lyndale Drive primary dyke system between Monck Avenue and Gauvin Street. The total estimated budget requirement is $4,000,000 with $500,000 in 2014 for preliminary design, $500,000 in 2015 for detailed design, and $3,000,000 in 2016 for construction.



Project Name: **Osborne Street Underpass**

Department: Public Works
Project: 180500xx15

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

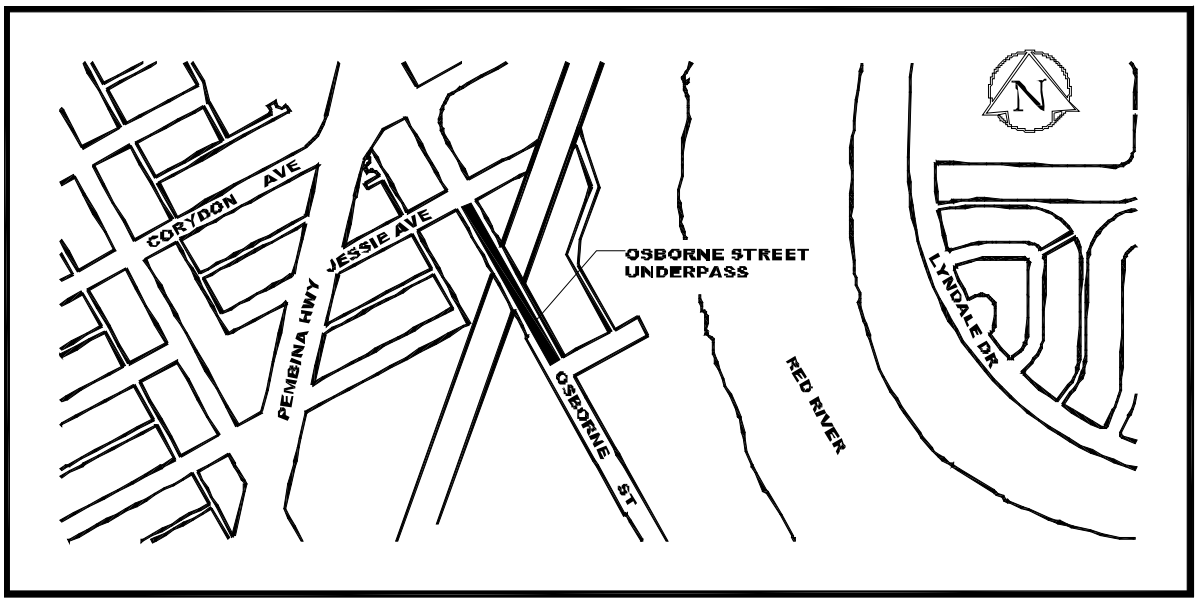
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	2,500	-	2,500	2,500
Financed by:									
Cash to Capital						2,500		2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	2,125	375	-	2,500
Financed by:								
Cash to Capital					2,125	375	-	2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2015 - Project budget shown is to undertake conceptual study/design, preliminary design, and public consultation. Estimated project construction budget of $70,000,000 for potential reconstruction/widening assuming work is undertaken in 2018 and 2019.



Project Name: **Waterway Crossing and Grade Separations - Annual Program**

Department: Public Works
Project: 1805000111
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	3,000	2,000	2,000	2,000	2,000	3,000	11,000	14,000
Financed by:									
Cash to Capital		3,000	2,000	2,000	2,000	2,000	3,000	11,000	14,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,550	2,150	2,000	2,000	2,000	2,850	450	14,000
Financed by:								
Cash to Capital	2,550	2,150	2,000	2,000	2,000	2,850	450	14,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	153	129	120
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		243	447
SURPLUS/(DEFICIT)	153	(114)	(327)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Annual program to carry out preventative maintenance, major repairs, improvements, or replacement to existing bridges, subways, overpasses, culverts, and related bridge infrastructure ensuring continued and continuous services of these facilities to the maximum practical extent.

Additional funding is required in 2011 to undertake an urgent major culvert replacement complete with slope stability that is threatening Pembina Highway (Beaujoulais Coulee) near Ducharme Avenue. This work will be coordinated with Water & Waste Department to include a flood control structure. The estimated budget allocation for this work is $1,500,000 based on a Class 4 estimate. The additional funding will allow a minimum program of bridge maintenance of the remaining bridge infrastructure. Annual program to carry out preventative maintenance, major repairs, improvements, or replacement to existing bridges, subways, overpasses, culverts, and related bridge infrastructure ensuring continued and continuous services of these facilities to the maximum practical extent.

On December 15, 2010 Council approved a first call on the 2011 Budget in the amount of $800,000 for the Structure Rehabilitation - Portage Avenue at Truro Creek.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Disraeli Bridge and Overpass Facility**

Department: Public Works
Project: 1805000208
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	195,000	-	-	-	-	-	-	-	-
Financed by:									
Public Private Partnership	101,211								-
Upfront Project Costs									-
Cash to Capital	18,789							-	-
Future Payments									
Federal Gas Tax	6,100	6,100	13,800	19,800	19,800	19,800	19,800	93,000	99,100
Encumbrance Toward Commissioning Payment	(6,100)	(6,100)	(6,100)					(6,100)	(12,200)
Public Private Partnership Annual Service/Financing Payments			(7,700)	(19,800)	(19,800)	(19,800)	(19,800)	(86,900)	(86,900)
External Debt	75,000								

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	6,100	13,800	19,800	19,800	19,800	19,800	401,000	500,100
Financed by:								
Federal Gas Tax	6,100	13,800	19,800	19,800	19,800	19,800	401,000	500,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			(98)
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	98

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2010, Plenary Roads Winnipeg (PRW) was awarded the contract to design, build, finance and maintain the Disraeli Bridge and Overpass Facility. The bridges will be replaced with entirely new structures that have a design life of 75 years. The project includes a separate, new Active Transportation bridge crossing the Red River.

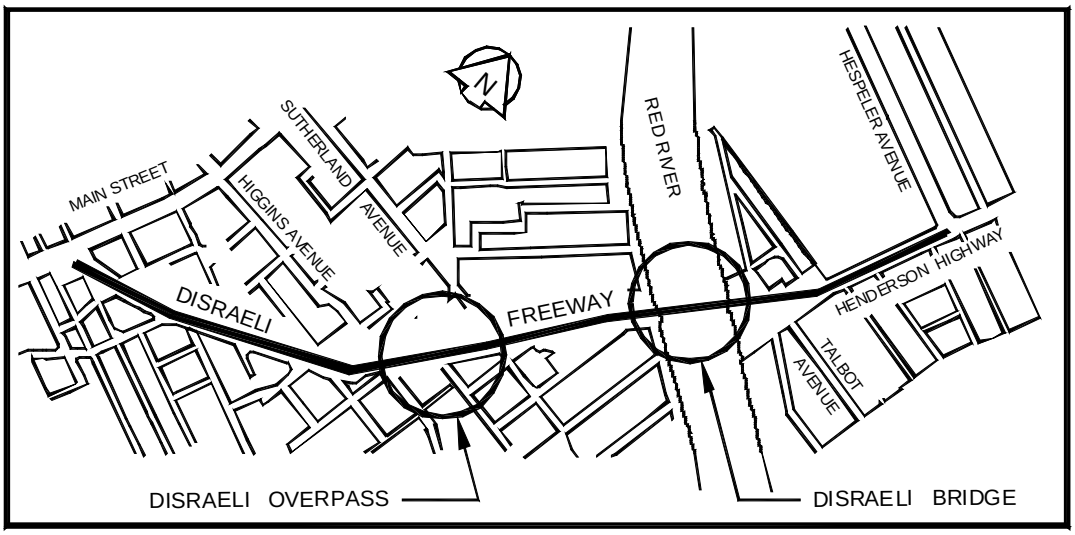
The bridges are designed to accommodate future expansion to six lanes, should that option be pursued. A minimum of four lanes will remain open throughout construction during all peak travel times (Monday to Friday 6 am to 6 pm). Construction will commence when all regulatory approvals are obtained and the new bridges will be open to traffic in the fall of 2012.

The City will make a down payment of $75 million to PRW when the new bridges are open to traffic. After opening to traffic, the City will make monthly payments to PRW over the 30 year term of the contract to cover the remaining capital cost of the works as well as the maintenance of the facility. Payments to PRW are based on performance and payments are reduced where the City's performance specifications are not met.

The City's $75 million commissioning payment will be financed by cash from the Encumbrance Toward Commissioning Payment with the balance being funded by debt. Both the payments to PRW and payments on the debt will be funded by Federal Gas Tax. Maximum annual payments total $19.8 million per year for the first 10 years after commissioning, decreasing to $14.8 million per year for the final 20 years of the maintenance term.

Council has approved a by-law authorizing up to $75 million in external debt for this project. The Public Service will seek to minimize external debt to the extent that internal financing may be available.

Disraeli Bridge and Overpass Facility (continued):



Project Name: **Charleswood Bridge**

Department: Public Works
Project: 180500XX11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		1,478	1,478	1,478	1,478	1,478	1,478	7,390	8,868
Public Private Partnership Lease Payments		(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(7,390)	(8,868)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,478	1,478	1,478	1,478	1,478	1,478	11,824	20,692
Financed by:								
Cash to Capital - See Note	1,478	1,478	1,478	1,478	1,478	1,478	11,824	20,692

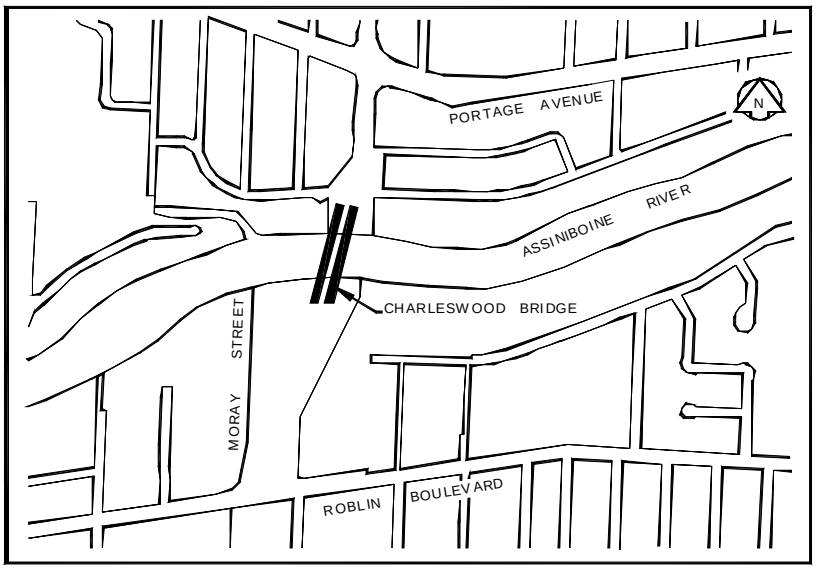
NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Charleswood Bridge was constructed in 1994 and 1995 along with the roadworks between Roblin Boulevard and Ness Avenue.

The bridge portion of the project was undertaken as a public-private partnership, with lease payments extending until 2024.

Note: Cash flow beyond 2016 equals payments to 2024.



Project Name: **Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard**

Department: Public Works
Project: 1801000107
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	74,300	34,200	-	-	-	-	-	-	34,200
Financed by:									
Public Private Partnership	30,000	21,200						-	21,200
PPP Canada Inc. - Federal Funding		22,300						-	22,300
Provincial Funding for Road Improvements	9,000							-	-
Cash to Capital	5,300	2,000						-	2,000
Future Payments									
Cash to Capital			2,869	2,869	2,869	2,869	2,869	14,345	14,345
Federal Gas Tax		2,444	5,415	5,415	5,415	5,415	5,415	27,075	29,519
Public Private Partnership Annual Service/Financing Payments		(2,444)	(8,284)	(8,284)	(8,284)	(8,284)	(8,284)	(41,420)	(43,864)
External Debt	30,000	(11,300)							(11,300)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	4,444	8,284	8,284	8,284	8,284	8,284	204,656	250,520
Financed by:								
Cash to Capital	2,000	2,869	2,869	2,869	2,869	2,869	71,725	88,070
Federal Gas Tax	2,444	5,415	5,415	5,415	5,415	5,415	132,931	162,450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		50	200
Debt and finance charges increase		230	560
SURPLUS/(DEFICIT)	-	(280)	(760)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project was approved by Council on July 21, 2010.

In 2010, DBF2 Ltd. was awarded the contract to design, build, finance and maintain the Chief Peguis Trail Extension from Henderson Highway to Lagimodiere Boulevard. The project includes a grade separation at Rothesay as well as a separate new Active Transportation bridge crossing Chief Peguis Trail at Raleigh/Gateway. Construction has commenced and the facility is scheduled to be open to traffic in the fall of 2012.

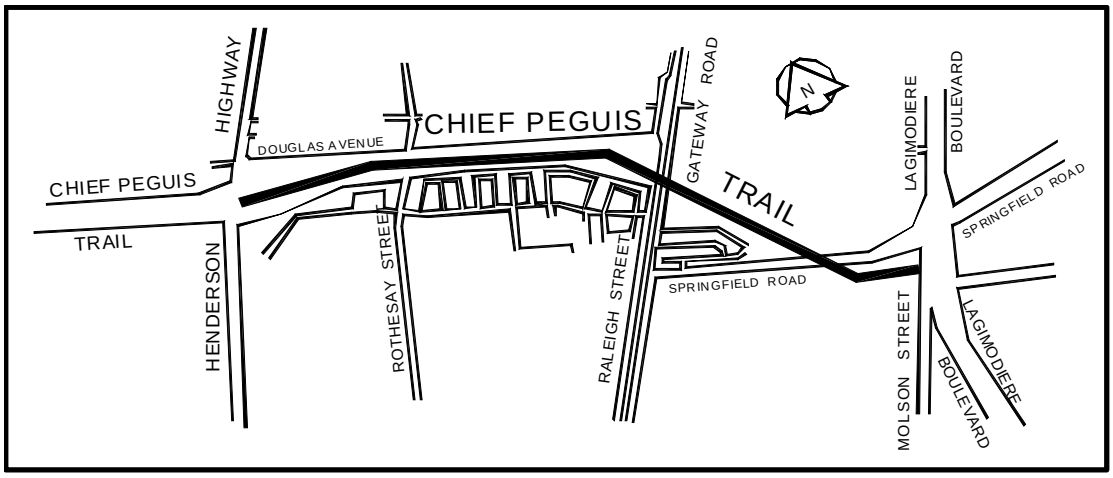
The City will make $20 million in milestone payments to DBF2 Ltd., beginning at 51% construction completion. The City will make an additional payment of $30 million to DBF2 Ltd. when the new faciltiy is open to traffic. After opening to traffic, the City will make monthly payments to DBF2 Ltd. over the 30 year term of the contract to cover the remaining capital cost of the works as well as maintenance of the facility. Payments to DBF2 Ltd. are based on performance and payments are reduced where the City's performance specifications are not met. Most maintenance activities are the responsibility of DBF2 Ltd., however, certain day to day operating activities have been retained by the City due to cost effectiveness.

The City's $50 million in payments to DBF2 Ltd will be financed by funding from P3 Canada Inc., the Province of Manitoba and debt. PPP Canada Inc.'s funding is based on 25% of eligible expenditures (maximum $25 million) and as such, may vary slightly from budget. External Debt will be adjusted once PPP Canada Inc. funding has been finallly determined.

Chief Peguis Trail (continued):

It should be noted that in the prior year's Capital Budget, $2 million per year for 30 years was held in the Capital Investment Fund for this project. This balance was formally transferred by Council July 21, 2010.

In a letter from the Provincial Minister of Local Government dated July 13, 2010, a total of $9 million in 2010 Road Improvement funding has been committed for the extension of Chief Peguis Trail from Henderson Highway to Lagimodiere Boulevard. As such, this funding has been included in Previous Budgets to reflect this commitment.



Project Name: **Waverley West Arterial Roads Project**

Department: Public Works
Project: 1803000110

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	51,300	3,400	-	-	-	-	-	-	3,400
Financed by:									
Cash to Capital	10,567	3,400						-	3,400
Transfer from Prior Authorization	7,500							-	-
Building Canada Funding	18,233							-	-
Provincial Government Funding	15,000							-	-

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,890	510	-	-	-	-	-	3,400
Financed by:								
Cash to Capital	2,890	510						3,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	58	10	
Less:			
Operating expenditures increase/(decrease)		70	145
Debt and finance charges increase		275	324
SURPLUS/(DEFICIT)	58	(335)	(469)

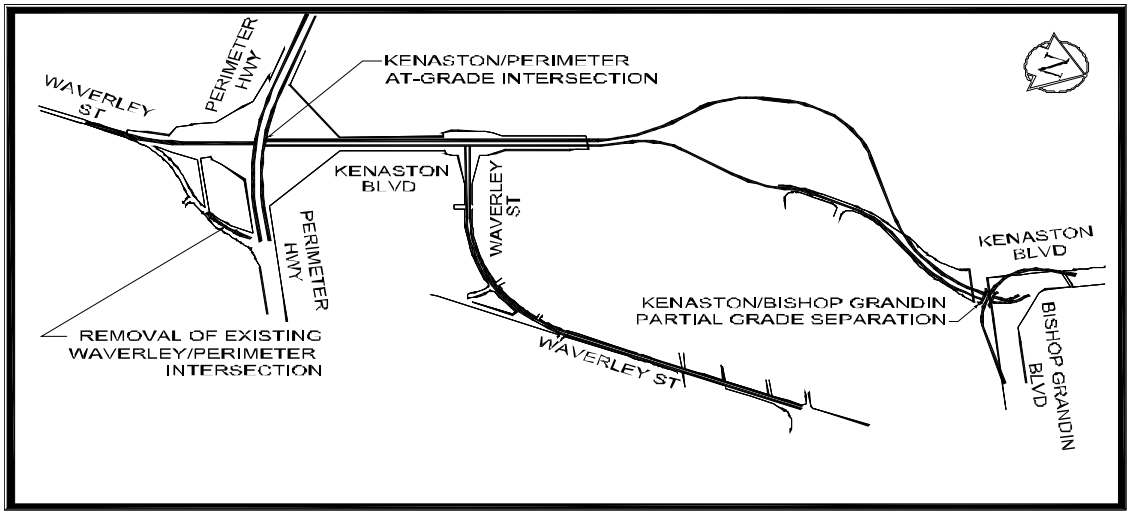
Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On September 13, 2009, $54.7 million was announced in joint Federal-Provincial-City funding for the Waverley West Arterial Roads Project. The investment will allow for future economic growth in this area, decrease commute times and improve safety for motorists. Funding is made available under the Building Canada Fund - Major Infrastructure component, part of Canada's Economic Action Plan.

The project includes; the intersection of Kenaston and Bishop Grandin with a partial grade separation, the extension of Kenaston as a four lane arterial roadway from Bishop Grandin to PTH 100, an at grade intersection of the proposed Kenaston and PTH 100, the addition of two new lanes on the existing Waverley and the rehabilitation of the two existing lanes to connect with the four lane arterial roadway to the north, a new four lane section of Waverley that creates a realignment of the existing street in a westerly direction to the proposed Kenaston Blvd, a new at grade intersection of the new Kenaston and the realigned Waverley Street, the decomissioning of the at grade intersection of Waverley and PTH 100, and a new 2 lane section of Waverley south of PTH 100 to the new intersection of Kenaston and PTH 100.

Funds adopted in the 2009 Capital Budget for the Kenaston Boulevard extension and Bishop Grandin intersection have been transferred to this project.

Waverley West (continued):



Project Name: **Asset Management System - Various Divisions**

Department: Public Works
Project: 181200xx11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	492	549	405	405	-	-	1,359	1,851
Financed by:									
Cash to Capital		492	549	405	405			1,359	1,851

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	418	540	427	405	61	-	-	1,851
Financed by:								
Cash to Capital	418	540	427	405	61			1,851

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	13	16	13
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		40	91
SURPLUS/(DEFICIT)	13	(24)	(78)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The asset management program being implemented in the Public Works Department is centered on the application of quality management principles to the operation, maintenance, and renewal of infrastructure. A primary objective is the development and implementation of methodologies to preserve the infrastructure and to identify the funding necessary for the long term preservation of the assets.

An objective of the asset management program is to extend this systematic structural quality management approach to all the infrastructure under the Public Works Department responsibility. Funds are required to implement new or maintain existing asset management programs.

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
Traffic Signals Branch, Transportation Division	50	100	50	50			250
Traffic Services Branch, Streets Maintenance Division	25	50	25	25			125
Asset Management Branch, Engineering Division	100	100	100	100			400
Park Services Operational Support Branch, Parks & Open Spaces Division	317	299	230	230			1,076
	492	549	405	405	-	-	1,851

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage Sewers - Regional / Local Streets**

Department: Public Works
Project: 181300xx11

Capital Priority Rating: 2 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	150	150	150	150	150	150	750	900
Financed by:									
Cash to Capital		150	150	150	150	150	150	750	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	128	150	150	150	150	150	22	900
Financed by:								
Cash to Capital	128	150	150	150	150	150	22	900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	4	5	5
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		12	26
SURPLUS/(DEFICIT)	4	(7)	(21)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Land drainage sewers and catch basins required for Local Improvement projects and other miscellaneous drainage improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Acquisition - Transportation Right of Way**

Department: Public Works
Project: 183400xx11
Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	300	300	300	300	300	300	1,500	1,800
Financed by:									
Cash to Capital		300	300	300	300	300	300	1,500	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	300	300	300	300	300	-	1,800
Financed by:								
Cash to Capital	300	300	300	300	300	300		1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	9	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		29	57
SURPLUS/(DEFICIT)	9	(20)	(48)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Allowance for the acquisition of land for future transportation rights-of-way not included in any specific capital project within the given year's capital program. To allow for eventual implementation of proposed regional streets transportation plans by acquiring rights-of-way when the necessary land becomes available or when non-compatible private development is proposed on the land that will be required.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Sand / Salt Storage Facility**

Department: Public Works
Project: 1815000107

Capital Priority Rating: 3 - 2
Service: Roadway Snow Removal and Ice Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,900	-	600	-	-	-	-	600	600
Financed by:									
Cash to Capital			600					600	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	600	-	-	-	-	-	600
Financed by:								
Cash to Capital		600						600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		18	
Less:			
Operating expenditures increase/(decrease)			1
Debt and finance charges increase			57
SURPLUS/(DEFICIT)	-	18	(58)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The facility will be constructed in conjunction with the Public Works east yards development. It will store salt and treated sand for use in snow and ice control. Recent guidelines for the environmental management of road salt use recommends that road authorities across Canada increase protection for materials exposed to wind or precipitation in order to minimize loss of salt to the environment. Previous budget includes $500,000 that was an authorized transfer in 2007 to the St. Anne's Road streets project.

Project Name: **City-Wide Accessibility Program**

Department: Public Works
Project: 181400xx11

Capital Priority Rating: 2 - 3
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	350	350	350	350	350	350	1,750	2,100
Financed by:									
Cash to Capital		350	350	350	350	350	350	1,750	2,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	298	350	350	350	350	350	52	2,100
Financed by:								
Cash to Capital	298	350	350	350	350	350	52	2,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	11	11
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		28	62
SURPLUS/(DEFICIT)	9	(17)	(51)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funding to address accessibility issues (Executive Policy Committee recommendation adopted by Council September 25, 2002).

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Reforestation - Improvements**

Department: Public Works
Project: 185000xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	383	387	383	383	383	383	1,919	2,302
Financed by:									
Cash to Capital		383	387	383	383	383	383	1,919	2,302

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	326	386	384	383	383	383	57	2,302
Financed by:								
Cash to Capital	326	386	384	383	383	383	57	2,302

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	20	23	23
Less:			
Operating expenditures increase/(decrease)	25	25	25
Debt and finance charges increase		31	68
SURPLUS/(DEFICIT)	(5)	(33)	(70)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Sustainable urban forest management program may include tree replacement, tree pruning, improvement of tree vaults, grates or wells, and inventory along City boulevards, plazas, and parks.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Athletic Fields - Improvements**

Department: Public Works
Project: 185200xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	-	200	200	124	200	724	924
Financed by:									
Cash to Capital		200	-	200	200	124	200	724	924

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	200	200	124	200		924
Financed by:								
Cash to Capital	200		200	200	124	200		924

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12		12
Less:			
Operating expenditures increase/(decrease)	10	10	20
Debt and finance charges increase		19	19
SURPLUS/(DEFICIT)	2	(29)	(27)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Athletic field improvements in areas requiring grading, sodding, seeding, irrigation and/or drainage improvements, replacement of backstops, goal posts, and other related park works as required on a site-by-site basis:

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
St Vital Park - premier soccer pitch	200						200
Athletic Field Upgrading - Various			200	200	124	200	724
	200	-	200	200	124	200	924

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Parks - Improvements**

Department: Public Works
Project: 185300xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	712	617	677	653	655	655	3,257	3,969
Financed by:									
Cash to Capital		712	617	677	653	655	655	3,257	3,969

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	605	631	668	657	655	655	98	3,969
Financed by:								
Cash to Capital	605	631	668	657	655	655	98	3,969

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	36	38	40
Less:			
Operating expenditures increase/(decrease)	61	81	127
Debt and finance charges increase		58	118
SURPLUS/(DEFICIT)	(25)	(101)	(205)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and/or improvements to various parks to repair aging park infrastructure and related amenities:

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
HarbourView Park - repairs to play area, bollards and horseshoe grounds	112						112
Lawn Bowling - various locations	150						150
Harbour View Rec Center - Master plan and engineering study for sea wall and courtyard / building foundations	200						200
Kildonan Park and Rainbow Stage - replace seating		617					617
City Hall court yard tree well cover replacement	250						250
Various locations			677	653	655	655	2,640
	712	617	677	653	655	655	3,969

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Multi-Use Recreation Sites - Parking Lot Renewals**

Department: Public Works
Project: 185300xx11
Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,500	-	-	-	-	-	-	1,500
Financed by:									
Cash to Capital		1,500						-	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,275	225	-	-	-	-	-	1,500
Financed by:								
Cash to Capital	1,275	225						1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	77	14	
Less:			
Operating expenditures increase/(decrease)	61	81	127
Debt and finance charges increase		121	143
SURPLUS/(DEFICIT)	16	(188)	(270)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The reconstruction of these parking lots will include new granular base, drainage components, and asphalt surfacing.

Marg Edey Park - $675,000

Anderson Park - $375,000

Legion Memorial - $450,000

Project Name: **Regional & Community Parks - Buildings**

Department: Public Works
Project: 185300xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,150	-	-	-	-	2,150	2,150	3,300
Financed by:									
Cash to Capital		1,150					2,150	2,150	3,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	978	173	-	-	-	1,828	321	3,300
Financed by:								
Cash to Capital	978	173				1,828	321	3,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	59	10	
Less:			
Operating expenditures increase/(decrease)	61	61	61
Debt and finance charges increase		93	110
SURPLUS/(DEFICIT)	(2)	(144)	(171)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and replacement of aging park buildings:

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
St Vital Park - Duck pond shelter complete building refurbishment	1,000						1,000
St Vital Park - Administration Building & Garage design/study	150						150
La Barriere Park - Washroom/Warm-up Building complete refurbishment						500	500
Kildonan Park - Rainbow Stage refurbishment						1,650	1,650
	1,150	-	-	-	-	2,150	3,300

Project Name: **Playground Structures**

Department: Public Works
Project: 185500xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,750	1,800	1,800	1,800	1,800	1,800	9,000	10,750
Financed by:									
Cash to Capital		1,750	1,800	1,800	1,800	1,800	1,800	9,000	10,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,488	1,793	1,800	1,800	1,800	1,800	269	10,750
Financed by:								
Cash to Capital	1,488	1,793	1,800	1,800	1,800	1,800	269	10,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	89	108	108
Less:			
Operating expenditures increase/(decrease)	88	176	264
Debt and finance charges increase		142	312
SURPLUS/(DEFICIT)	1	(210)	(468)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program replaces one playground per ward per year.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Hardsurface Upgrading**

Department: Public Works
Project: 185600xx12

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	150	150	-	150	450	450
Financed by:									
Cash to Capital				150	150		150	450	450

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	128	150	23	128	21	450
Financed by:								
Cash to Capital			128	150	23	128	21	450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			8
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	8

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upgrading of plazas, pathways, roadways, tennis courts, basketball courts and skate board parks at various parks locations.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Boat Launch and Dock - Reconstruction**

Department: Public Works
Project: 185600xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	-	-	-	-	-	-	500
Financed by:									
Cash to Capital		500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	425	75	-	-	-	-	-	500
Financed by:								
Cash to Capital	425	75						500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	26	5	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		40	48
SURPLUS/(DEFICIT)	26	(35)	(48)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funds will be allocated to the St Vital Park boat launch. Project includes; installation of concrete launch, rip-rap armoured banks, dock mounts, floating docks, safety signage, gates, parking, and lighting.

Project Name: **Community Park Amenities**

Department: Public Works
Project: 185700xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000
Financed by:									
Cash to Capital		1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,275	1,500	1,500	1,500	1,500	1,500	225	9,000
Financed by:								
Cash to Capital	1,275	1,500	1,500	1,500	1,500	1,500	225	9,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	77	90	90
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		121	264
SURPLUS/(DEFICIT)	77	(31)	(174)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and replacement of park amenities in the Parks & Open Space Division's inventory at various locations. Amenities may include items such as park signage, park furniture, fencing, lighting, paths, hard surfacing, vegetation, play equipment, and athletic facilities.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Insect Control - Information System**

Department: Public Works
Project: 185800XX13
Capital Priority Rating: 1 - 4
Service: Insect Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	1,250	-	1,250	1,250
Financed by:									
Cash to Capital						1,250		1,250	1,250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	1,063	187	-	1,250
Financed by:								
Cash to Capital					1,063	187		1,250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project will create a totally integrated Insect Control information system that includes: dispatch, inventory control, billing, tracking & reporting, larviciding and fogging. This system will enable Insect Control to more effectively coordinate their fogging and larviciding programs and use their products in a more efficient manner. The current system is comprised of disparate applications that have been created over the last 5-10 years. It is anticipated that since Insect Control is a very unique function, no "off the shelf" software will be available, therefore it will need to be custom built.

Project Name: **Insect Control - Replace 3 Grey Street Operations Building**

Department: Public Works
Project: 185800XX13
Capital Priority Rating: 1 - 4
Service: Insect Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	1,000	-	1,000	1,000
Financed by:									
Cash to Capital						1,000		1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	850	150	-	1,000
Financed by:								
Cash to Capital					850	150		1,000

NET OPERATING IMPACT	2010	2011	2012
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Insect Control Operations Building at 3 Grey Street requires replacement. The existing building is very old and no longer meets the increased size and scope of today's insect control service delivery demands.

Project Name: **Local Improvements - Ongoing Program**

Department: Assessment and Taxation
Capital Priority Rating: 2 - 3
Project: 1420000111
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	3,000	3,000	3,000	3,000	3,000	15,000	15,000
Financed by:									
Cash to Capital			450	450	450	450	450	2,250	2,250
External Debt			2,550	2,550	2,550	2,550	2,550	12,750	12,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,550	3,000	3,000	3,000	3,000	450	15,000
Financed by:								
Cash to Capital		383	450	450	450	450	67	2,250
External Debt		2,167	2,550	2,550	2,550	2,550	383	12,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		154	180
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		83	340
SURPLUS/(DEFICIT)	-	71	(160)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Local Improvement Capital Projects are those which are financed partly by a direct levy on the properties benefited. The program is governed by Local Improvements By-Law No. 98/72 and is subject to advertising and subsequent approval by the majority of ratepayers involved. The types of expenditure generally falling within this category are: paving of local streets and lanes; sidewalk and boulevard construction; installation of new watermains and sewers; ornamental street lighting and lane lighting.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Community Incentive Grant Program**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 1
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,508	1,538	1,569	1,600	1,632	1,665	8,004	9,512
Financed by:									
Cash to Capital		1,508	1,538	1,569	1,600	1,632	1,665	8,004	9,512

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,508	1,538	1,569	1,600	1,632	1,665	-	9,512
Financed by:								
Cash to Capital	1,508	1,538	1,569	1,600	1,632	1,665		9,512

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	45	194	341
SURPLUS/(DEFICIT)	(45)	(194)	(341)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Community Incentive Grant Program, established by Council on March 6, 1985, was designed to encourage non-profit community recreation and sport organizations to undertake capital projects which would result in long-term benefits to the community at large in terms of improved service and facilities. On July 23, 2003, Council adopted expanded criteria for the Program.

On January 25, 2007, Council, with approval of the 2007 - 2012 five year Capital budget program, approved a 2% annual increase to the Community Incentive Grant Program. The Forecast assumes the continuation of this 2% increase each year.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Library Shelving and Furniture Replacement Program**

Department: Community Services
Project: 62110005yy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	200	200	200	200	200	1,000	1,200
Financed by:									
Cash to Capital		200	200	200	200	200	200	1,000	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	200	200	200	200	200	-	1,200
Financed by:								
Cash to Capital	200	200	200	200	200	200		1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	26	45
SURPLUS/(DEFICIT)	(6)	(26)	(45)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Continued capital funding is required to replace aging library shelving and furniture that cannot be accommodated within the existing operating budget. The average age of Winnipeg's branch libraries is approximately 45 years old. Much of the furniture and shelving dates from the original opening of those facilities. The furniture and shelving needs to be replaced, in some cases for safety reasons, in order to ensure that library facilities remain safe, accessible and welcoming spaces for the changing needs of library users.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Library Replacement - Various**

Department: Community Services
Project: 62130001yy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	1,000	5,500	4,000	2,000	3,000	5,000	19,500	20,500
Financed by:									
Cash to Capital		1,000	5,500	4,000	2,000	3,000	5,000	19,500	20,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	5,500	4,000	2,000	3,000	5,000	-	20,500
Financed by:								
Cash to Capital	1,000	5,500	4,000	2,000	3,000	5,000		20,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		275	275
Debt and finance charges increase	30	274	749
SURPLUS/(DEFICIT)	(30)	(549)	(1,024)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Project funds are necessary to replace and furnish modern, safe, and accessible libraries that are able to accommodate the changing needs of library users. Funding allocated in 2009 will be used in conjunction with 2011 funds for expenses related to the architectural design of the new library facility as part of a multi-use complex that will see the amalgamation of two existing libraries into one new facility. Construction on this amalgamation is expected to occur in 2012. The new library facility would open in early 2013. Accommodations costs, inclusive of debt and finance charges, relative to construction of the new facility in 2012, are estimated to increase based on 2009 data at approx. $275,000. Details will be further confirmed with Municipal Accommodations during the preparation of the 2012 - 2014 budget and will be incorporated into the operating budget at that time.

Funding for 2013 - 2016 are for future library projects that could include, but are not limited to, amalgamations, joint use facilities, libraries located in multi-use recreation and leisure facilities, and stand alone library facilities either as replacements for existing facilities or net new library facilities to the City (as per Recreation Leisure & Library Facility Policy).

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Renovate and Refurbish Various Library Branches Program**

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	1,000	800	-	500	2,800	3,300
Financed by:									
Cash to Capital		500	500	1,000	800		500	2,800	3,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	1,000	800	-	500	-	3,300
Financed by:								
Cash to Capital	500	500	1,000	800		500		3,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	15	64	128
SURPLUS/(DEFICIT)	(15)	(64)	(128)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This capital program is required to support ongoing renovations of existing library branches that cannot be supported within the existing library operating budget. The average age of Winnipeg's branch libraries is approximately 45 years old. Improvements to facilities will include replacing carpeting, flooring, painting, energy efficient improvements such as lighting and water conservation initiatives, furnishings, counters and workstation replacements that incorporate ergonomic design and universal design principles. In addition, funding will be used for undertaking minor and major construction projects in order to improve library facilities to meet the changing needs of library users.

The 2010 renovate and refurbish funds were combined with 2008 funds to undertake major renovation projects at the Louis Riel, Henderson and Osborne Libraries. In addition smaller projects were undertaken at St. Boniface, Munroe, Cornish, Fort Garry, and Millennium.

If sufficient funds exist, in 2014, the plan is for a major renovation of one or two existing branches in partnership with the Winnipeg Library Foundation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Library Technology Upgrade and Replacement**

Department: Community Services
Project: 621xxxxxyy
Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	-	-	500	500	500	1,500	1,500
Financed by:									
Cash to Capital					500	500	500	1,500	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	500	500	500	-	1,500
Financed by:								
Cash to Capital				500	500	500		1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

By 2014 the Library Reserve will be near depletion. Annual capital funds of $500,000 will be required to upgrade and replace staff and public access personal computers as well as to support the continued upgrade, replacement and implementation of information technology initiatives throughout the library system.

Project Name: **Recreational Facility Safety & Accessibility Improvements**

Department: Community Services
Project: 625000001yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	400	400	500	500	600	2,400	2,400
Financed by:									
Cash to Capital			400	400	500	500	600	2,400	2,400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	400	400	500	500	600	-	2,400
Financed by:								
Cash to Capital		400	400	500	500	600		2,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		13	51
SURPLUS/(DEFICIT)	-	(13)	(51)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This capital project will help address workplace and public safety, health, and accessibility issues that are not part of the current service level agreement with Building Services.

Each year a portion of the funds will be utilized for installation of security systems, fitness equipment replacement, and facility amenities and accessibility projects within 13 indoor pools and 9 major recreation centres based upon established priorities.

New demands require security for staff while performing their duties and increased surveillance of non-staffed space within our buildings, both for patron safety and theft prevention within and immediately outside of aquatic and recreation facilities.

The heavy use of fitness equipment and customer demands requires that a program of equipment replacement is implemented to ensure safety and meet contemporary needs.

Recreation facility amenities must be refurbished to meet public health and safety standards, regulation, and to enhance facilities to meet the needs of the public including accessibility (washrooms, change rooms, signage, public entranceways, etc.) and accessible family amenities (specialty change rooms).

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Library Signage, Safety and Accessibility**

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	200	200	200	200	1,000	1,000
Financed by:									
Cash to Capital			200	200	200	200	200	1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	200	200	200	200	-	1,000
Financed by:								
Cash to Capital		200	200	200	200	200		1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		7	26
SURPLUS/(DEFICIT)	-	(7)	(26)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required to address three areas: 1. Signage needs on the exterior and interiors of library facilities, including electronic signs, for promotion of services and programs, are required to make libraries more visible to the community. 2. Safety issues need to be addressed in many libraries including upgrading lighting, installing video monitoring technology, regular landscape maintenance, and other building upgrades are required to ensure that libraries remain safe and welcoming to the community and deter vandalism and graffiti. 3. Accessibility issues need to be addressed including adding exterior ramps, upgrading public and staff washrooms, improving wayfinding signage, and installing life safety apparatus to meet the needs of persons with disabilities.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Business Application Systems**

Department: Community Services
Project: 626xxxxxyy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)		-	-	250	-	-	-	250	250
Financed by:									
Cash to Capital				250				250	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	250	-	-	-	-	250
Financed by:								
Cash to Capital			250					250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			8
SURPLUS/(DEFICIT)	-	-	(8)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required for the upgrade and/or implementation of business application systems within the Community Services Department and/or City as a whole (e.g., Class, Amanda, E-Cash) to improve the delivery of public services. These systems will be designed to introduce new technologies, to integrate with other departmental and corporate systems, and to incorporate web services to customers where possible. This project will provide more convenient, efficient and cost-effective public service.

Project Name: **Recreation Equipment Program - New Facilities**

Department: Community Services
Project: 62510001yy
Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	-	-	400	-	400	400
Financed by:									
Cash to Capital						400		400	400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	400	-	-	400
Financed by:								
Cash to Capital					400			400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required to purchase recreation equipment to meet the program needs of patrons in new and/or expanded facilities. This capital request coincides with the longer term plan of building new, refurbishing, expanding, and/or improving recreation facilities with the "Recreation Facility Replacement - Various" capital project.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Technology Upgrade and Replacement**

Department: Community Services
Project: 62xxxxxxyy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)		-	-	-	250	-	-	250	250
Financed by:									
Cash to Capital					250			250	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	250	-	-	-	250
Financed by:								
Cash to Capital				250				250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required in order to maintain life cycle replacement schedules of existing hardware as the Computer Replacement Reserve will be depleted in 2014.

Project Name: **Mobile Library Service Vehicle**

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)		-	-	650	-	-	-	650	650
Financed by:									
Cash to Capital				650				650	650

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	650	-	-	-	-	650
Financed by:								
Cash to Capital			650					650

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			150
Debt and finance charges increase			21
SURPLUS/(DEFICIT)	-	-	(171)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required to purchase a new mobile library vehicle in order to expand library outreach services to inner city, high risk neighbourhoods. The vehicle purchased would be a walk-on vehicle that would be equipped with shelving for collections, space for programming and public access computers to provide access to information and conduct library functions. The Library Services Division will work in conjunction with Fleet Management to purchase the appropriate vehicle for this specialized service. The vehicle may be purchased from out of province because of the specialized nature of the vehicle.

Annual operating funds will be required for the mobile van service including staffing, start up collection, program supplies, three Public Access Computers, and vehicle operating costs including insurance, licensing, gas, other consumable charges, etc.

Project Name: **Recreation Facility Replacement - Various**

Department: Community Services
Project: 62510001yy
Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	2,750	-	-	2,800	2,600	8,150	8,150
Financed by:									
Cash to Capital			2,750			2,800	2,600	8,150	8,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,750	-	-	2,800	2,600	-	8,150
Financed by:								
Cash to Capital		2,750			2,800	2,600		8,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		89	262
SURPLUS/(DEFICIT)	-	(89)	(262)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Old infrastructure - During the 1950's, 60's and 70's, the City experienced significant growth with corresponding new infrastructure being built as a result of the baby boomer generation. Much of this infrastructure is 40 to 60 years old and requires renewal.

These project funds are necessary for new infrastructure to service growth and to replace existing aging infrastructure to meet citizen demand for contemporary recreational amenities. Replacement of existing facilities may result in consolidation or closing of existing facilities to meet the requirements in the Recreation Leisure and Library Facility Policy approved by Council on May 18, 2005. The City is working towards the consolidation of facilities in all future developments with a focus on developing multi-use facilities (e.g. libraries, water amenities, fitness, skateboard parks, basketball courts, arenas).

The funds requested in 2010 and 2012 are proposed for a new multi-use facility and are required to supplement the capital funding included in the Library Replacement capital request. The total of $3.250 million includes costs for the demolition of existing structures, design and construction of the facility, and parking lot development. Construction is expected to occur in 2012. Any net utility savings (e.g. heat, electricity, water, repairs and maintenance) that may accrue from a new building will be determined and incorporated into the 2012 - 2014 budget submission.

Funding in 2015 - 2016 are for future projects that could include joint use facilities, mulit-use recreation and leisure facilities, and stand alone facilities where a business case can be made (Recreation, Leisure & Library Facility Policy).

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Recreation Refurbishment & Redevelopment**

Department: Community Services
Project: 62510002yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,000	1,000	-	-	-	1,500	2,500	3,500
Financed by:									
Cash to Capital		1,000	1,000				1,500	2,500	3,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	-	-	-	1,500	-	3,500
Financed by:								
Cash to Capital	1,000	1,000				1,500		3,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	30	128	190
SURPLUS/(DEFICIT)	(30)	(128)	(190)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Project funds are necessary to refurbish and redevelop existing recreation and aquatic facilities to become more modern, safe, and accessible and to accommodate the changing needs of recreation users. Funding requested in 2011 will be partially used to consult and design future year's priority projects.

Funding for 2012 - 2016 are for future recreation and aquatic projects that could include, but are not limited to, amalgamations, joint use facilities, multi-use recreation and leisure facilities, and stand alone recreation and aquatic facilities either as replacements for existing facilities or net new library facilities to the City (as per Recreation Leisure & Library Facility Policy).

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature. The first year of funding for this program is 2011.

Project Name: **Assiniboine Park Conservancy (APC) - Upgrades and Improvements**

Department: Community Services
Project: 62300001yy

Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	5,123	5,123	5,123	5,123	5,123	5,123	25,615	30,738
Financed by:									
Cash to Capital		4,021	5,123	5,123	5,123	5,123	5,123	25,615	29,636
Proceeds from Glacial Sand and Gravel		1,102							1,102

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	5,123	5,123	5,123	5,123	5,123	5,123	-	30,738
Financed by:								
Cash to Capital	4,021	5,123	5,123	5,123	5,123	5,123		29,636
Proceeds from Glacial Sand and Gravel	1,102							1,102

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	154	654	1,142
SURPLUS/(DEFICIT)	(154)	(654)	(1,142)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

These capital dollars represent the City's ongoing commitment to Assiniboine Park building repairs, upgrades and park improvements.

The first year of funding for this project was 2010.

The release of capital funds is subject to annual explanation and submission of projected cash flow needs to the Public Service.

As this project is a capital grant, it is exempt from the following overhead: 1% administration, 2% interest charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Assiniboine Park Conservancy (APC) - Capital Development Plan**

Department: Community Services
Project: 62300002yy
Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,849	4,500	4,500	4,500	4,500	4,500	4,500	22,500	27,000
Financed by:									
Cash to Capital			4,500	4,500	4,500	4,500	4,500	22,500	22,500
Proceeds from Glacial Sand and Gravel		4,500						-	4,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	4,500	4,500	4,500	4,500	4,500	4,500	-	27,000
Financed by:								
Cash to Capital		4,500	4,500	4,500	4,500	4,500		22,500
Proceeds from Glacial Sand and Gravel	4,500							4,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	135	428	428
SURPLUS/(DEFICIT)	(135)	(428)	(428)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

These capital dollars represent the City's ongoing commitment to the Assiniboine Park Conservancy - Capital Development Plan which is subject to a maximum contribution of 25% of the total capital costs outlined in a Council approved Ten-Year Capital Development Plan (2010 - 2019) for Assiniboine Park. APC is required to obtain matching funds from private sector donations and senior government contributions.

Based upon a Council approved Development Plan, APC will submit on an annual basis its request for the City's contribution for the following funding year's development plan project(s). APC will include detailed information on planned projects including total costs and other funding sources.

As Development Plans are completed, or require revision as time progresses, APC will develop and present new and amended Development Plans for Council approval.

In 2010 (the first year for this capital project), $2.849 million was provided towards the Nature Playground and Duck Pond expansion project.

As this project is a capital grant, it is exempt from the following overhead: 1% administration, 2% interest charges.

Project Name: **Winnipeg Police Service Communications Systems**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	3,390	-	-	-	-	3,390	3,390
Financed by:									
Cash to Capital			3,390					3,390	3,390

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	3,390	-	-	-	-	-	3,390
Financed by:								
Cash to Capital		3,390						3,390

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Technological changes in wireless technology, 911 issues, Voice over Internet Protocol (VoIP), deaf teletype, and data networks require replacement of outdated systems and equipment. This project represents:

1. A change from the current Winnipeg Police Service (WPS) wireless data network to a Mesh Network Solution;

2. Replacement of the existing phone system;

3. Miscellaneous upgrades related to the 911 alternate site. Legislation requires the WPS to provide an alternate communication backup site to ensure continued service should equipment fail during an emergency. Specifically, legislation requires that every Public Safety Answering Point (PSAP) service must have a facility that (a) has a risk assessment carried out in accordance with guidelines approved by the Minister; and (b) can, within one hour, be operational as a PSAP facility to the extent of 80% of the capacity of the PSAP service's primary PSAP facility.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Automated Fingerprint Identification System (AFIS) Replacement**

Department: Winnipeg Police Service
Project: 2200000711
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	179	-	321	-	-	-	321	500
Financed by:									
Cash to Capital		179		321				321	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	179	-	321	-	-	-	-	500
Financed by:								
Cash to Capital	179		321					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A new Automated Fingerprint Identification System (AFIS) was installed in late 2007. Life expectancy of the equipment is approximately 5 years after which time the system hardware may become obsolete and subject to reduced and/or withdrawn maintenance support. If available, maintenance will be more costly as the system ages.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Mobile Laptops**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,200	-	-	-	1,200	1,200
Financed by:									
Cash to Capital				1,200				1,200	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	1,200	-	-	-	-	1,200
Financed by:								
Cash to Capital			1,200					1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The mobile laptop technology in cruiser cars needs to be replaced every 5 to 6 years due to the obsolescence of this equipment and the harsh environment to which they are subjected. Currently there are about 200 mobile laptops in cruiser cars at a cost of $5,000 each. Additional costs are for modem upgrades, brackets and mounting equipment used to attach the laptops to the vehicles. Ergonomically placed laptop computers are critical for prevention of back injuries to police officers.

Project Name: **Officer Mobile Video System**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	1,000	-	1,000	1,000
Financed by:									
Cash to Capital						1,000		1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	1,000	-	-	1,000
Financed by:								
Cash to Capital					1,000			1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

With increasing demands for capturing information when dealing with the public, it appears that at the moment the best way to accomplish this is through an officer mobile video system. The mobile system would be attached to an officer and record all audio and video for a particular interaction. It is estimated that $1,000,000 would be required to outfit approximately 800 officers with this equipment along with storage equipment to archive and maintain the data. It is expected that technology will progress in this area to provide better alternatives when the purchase date arrives.

Project Name: **Radio Upgrade for Districts 3 and 4**

Department: Winnipeg Police Service
Project: 22xxxxxxyy
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	500	500	500
Financed by:									
Cash to Capital							500	500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	500	-	500
Financed by:								
Cash to Capital						500		500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Police Service conducted an upgrade on a majority of its radios in 2008 and 2009. This submission requests funding to replace radios in District 3 and 4 which were the first ones replaced.

Project Name: **Computer Assisted Dispatch**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	1,800	-	1,800	1,800
Financed by:									
Cash to Capital						1,800		1,800	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	1,800	-	-	1,800
Financed by:								
Cash to Capital					1,800			1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The main Police Service information and communication system will have been in operation for 10 years and at the end of its life cycle. This submission proposes to replace the system.

Project Name: **Police Division's Systems Upgrades**

Department: Winnipeg Police Service
Project: 22xxxxxxyy
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	5,016	2,436	300	7,752	7,752
Financed by:									
Cash to Capital					5,016	2,436	300	7,752	7,752

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	5,016	2,436	300	-	7,752
Financed by:								
Cash to Capital				5,016	2,436	300		7,752

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

See description on following page.

The Police Service has identified a number of long term information upgrades required including:

In 000s	2011	2012	2013	2014	2015	2016	Total
Independent Internet Access					100		100
Email Exchange Storage					100		100
Document and Management System for Human Resources					150		150
Work Order and Service Desk Tracking System					66		66
Intelligence Led Reporting					500		500
Remedy Replacement Support					60		60
Replacement of Crime Analysis System to help determine trends in crime activities					660		660
Integrated Child Exploitation System Software					500		500
Case Tracking System for Major Crimes					150		150
Electronic Collision Reporting System					150		150
Blackberry Bez and Niche Service Wide Implementation				268			268
Tracking Software				21			21
Digital Interview rooms - previously approved and budgeted				523			523
Comm Centre - Alternate site							
PC and monitor replacement - Alternate site 100							
Replace alternate site Audio Logger 80							
Call check replacement alternate site 80							
Alternate site - Consoles, Furniture, etc. 268				528			528
Comm Centre - New Building				414			414
ITSD requirements for headquarters				993			993
Management, Storage and Archival of Police Information				750			750
Computer Upgrades							
Desktop Software Upgrade 254							
Virtual Server Upgrade 268							
Firewall Upgrade 161							
Replacement of DS4700 Storage Area Network 400				1,083			1,083
Comm Centre - Main Site							
Upgrade consoles main site 100							
Replace monitors main Communication Centre 60							
Replace Main site Audio Logger 80							
Communication centre chair replacements 25							
Console UPS & Battery Replacement main site 10				275			275
Canadian Police Information Centre replacement of authentication software (original implementation 2009)				161			161
East District station upgrade						300	300
	-	-	-	5,016	2,436	300	7,752

Project Name: **West Station Information Technology Requirements**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Cash to Capital			500					500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Cash to Capital		500						500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

West Station Information Technology requirements.

** Supported by Class 1 estimate, see Appendix # 2

Project Name: **North Station Information Technology Requirements**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital				500				500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital			500					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

New District 3 (North Station) Information Technology requirements.

** Supported by Class 1 estimate, see Appendix # 2

Project Name: **Aerial Support Unit**

Department: Winnipeg Police Service
Project: 2200000510

Capital Priority Rating: 3-3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,492	-	-	-	-	-	-	-	-
Financed by:									
Interim Financing (Repayment)	3,492	(3,492)						-	(3,492)
General Purpose Reserve		3,492						-	3,492

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	-	-	-
Financed by:								
Interim Financing (Repayment)	(3,492)							(3,492)
General Purpose Reserve	3,492							3,492

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	1,348	1,393	1,390
Less:			
Operating expenditures increase/(decrease)	1,348	1,393	1,390
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On January 27, 2010, Council approved the establishment of a Winnipeg Police Service Flight Operations Unit (Helicopter) subject to approval of new incremental funding from the Province of Manitoba for all ongoing annual operating costs, estimated at $1.3 million in 2010 plus cost increases thereafter.

Additional positions were required and have been included in the operating budget estimate noted above. The initial capital cost to purchase the helicopter, a hangar to house the unit, and all related operational equipment is estimated to be $3.492 million.

The purchase of a Police helicopter will produce tangible and intangible benefits to the Police Service and to the citizens of Winnipeg. Benefits of acquiring a helicopter include pursuit management and related liability reduction, increased public safety, officer safety, higher clearance rates, freeing up of other ‘on the ground’ resources and the ability of the aerial support to serve as a ‘force multiplier’ (a tool that allows 1 officer to accomplish the work of many).

Project Name: **Police Building Replacement**

Department: Winnipeg Police Service
Project: 633100xx10
Capital Priority Rating: 3 - 3+2
Service: Police Response

AUTHORIZATION	Previous Budgets *	2011 Estimate	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	53,893	-	4,100	-	-	-	-	4,100	4,100
Financed by:									
Cash to Capital		891	6,174	3,449	3,449	3,449	3,450	19,971	20,862
Public Private Partnership Lease Payments		(891)	(2,074)	(3,449)	(3,449)	(3,449)	(3,450)	(15,871)	(16,762)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	891	6,174	3,449	3,449	3,449	3,450	108,898	129,760
Financed by:								
Cash to Capital	891	6,174	3,449	3,449	3,449	3,450	108,898	129,760

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		44	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase/(decrease)			143
SURPLUS/(DEFICIT)	-	44	(143)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 2010 Adopted Capital Budget and 2011 to 2015 Five-Year Forecast approved by Council on December 15, 2009 included estimated budget required to procure two district stations including, potentially, property and purchasing the necessary furniture and special equipment needed at each station.

On July 18, 2007, Council approved the award of a public-private partnership (P3) contract for the development and operation of the East District Police Station based on a 30-year lease term.

The above estimates have been prepared by the Public Service based on the P3 contract for the East District Police Station. Costs include estimated procurement, furniture, and special equipment, plus construction inflation and timelines for the development of the West and North District Police Stations.

The above annual cash flow estimates represent lease payments and include technical maintenance, but not utility and other operating maintenance expenses. This capital detail sheet was prepared by Planning, Property and Development.

* Note: "Previous Budget" amount was reduced from $56.721 million in 2010 due to a closing of prior year funding of $2.828 million.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Winnipeg Police Headquarters**

Department: Winnipeg Police Service
Project: 63xx00xx11

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	35,640	99,360	-	-	-	-	-	-	99,360
Financed by:									
Cash to Capital	26,113							-	-
Interim Financing / (Repayment)	9,527	20,408			(29,935)			(29,935)	(9,527)
Land Operating Reserve					29,935			29,935	29,935
External Debt		78,952						-	78,952

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	24,000	36,180	36,180	3,000	-	-	-	99,360
Financed by:								
Interim Financing (Repayment)	20,408			(29,935)				(9,527)
Land Operating Reserve				29,935				29,935
External Debt	3,592	36,180	36,180	3,000				78,952

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	498		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase/(decrease)	480	1,907	4,939
SURPLUS/(DEFICIT)	18	(1,907)	(4,939)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On November 25, 2009, Council approved the purchase of the Canada Post Building (266 Graham Avenue) at a purchase price of $29,250,000 and that $20,408,000 available from previously approved capital budgets relating to Public Safety Building Recladding/Police Headquarters capital projects as well as interim financing of $9,527,000 to be provided by the City from internal cash flow from the Equity in Capital Assets Fund be used to finance the purchase.

The portion of 266 Graham Ave. known as the Winnipeg Mail Processing Plant (WMPP) is to be redeveloped for the consolidation of certain Winnipeg Police Service (WPS) operations at an estimated cost of $105 million.

The budget for the $105 million redevelopment includes $20,408,000 from the Land Operating Reserve Fund, $5,640,000 in internal financing (cash-to-capital) and $78,952,000 in external financing.

Approval by the Chief Administrative Officer is required prior to any contract award.

Project Name: **Police Headquarters - Other**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	10,903	11,199	-	-	22,102	22,102
Financed by:									
External Debt				10,903	11,199			22,102	22,102

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	10,903	11,199	-	-	-	22,102
Financed by:								
External Debt			10,903	11,199				22,102

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project consists of a number of improvements to and/or consolidation of various Winnipeg Police Service units' facilities. These improvements will address the operating requirements of a modern police force in a metropolitan area the size of the City of Winnipeg. Areas impacted include, the Evidence Control Unit, the Technological Crimes / Identification Unit, the Street Crime Unit, and the Central Processing Unit. These significant aspects of the Service require updated modern facilities to maximize operating processes. A number of other operating units will also be impacted by this consolidation.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Facilities Replacement and Relocation Program**

Department: Fire Paramedic Service
Project: 21000011yy

Capital Priority Rating: 3 - 3
Service: Fire and Rescue Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	5,000	858	3,000	4,000	12,858	12,858
Financed by:									
Cash to Capital				5,000	858	3,000	4,000	12,858	12,858

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	2,500	3,358	1,500	3,500	2,000	12,858
Financed by:								
Cash to Capital			2,500	3,358	1,500	3,500	2,000	12,858

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			50
SURPLUS/(DEFICIT)	-	-	(50)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project represents the Winnipeg Fire Paramedic Service (WFPS) program for facility replacement, relocation and improvements.

To deal with an infrastructure deficit identified in 2008, the WFPS proposed a two phase approach, with Phase I identifying stations most in need of improvement. Phase I was approved in 2010 and was funded from existing capital authorizations and CMHC loans.

Phase II is provided in this set of forecasted expenditures as follows:

2013/2014

Station # 15 relocation (presently at 1083 Autumnwood Drive)

Station # 19 relocation (presently at 320 Whytewold Road)

2015/2016

Station # 13 relocation (presently at 700 Lilac Street)

New Station (Waverley West Development)

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Replacement Radio System**

Department: Fire Paramedic Service
Project: 21000014yy

Capital Priority Rating: 3 - 3
Service: Fire and Rescue Response

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	2,000	4,000	6,000	6,000
Financed by:									
Cash to Capital						2,000	4,000	6,000	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	2,000	4,000	-	6,000
Financed by:								
Cash to Capital					2,000	4,000		6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Winnipeg Fire Paramedic Service (WFPS) currently operates over 400 radios on the Fleetnet Radio Systems (FRS). The existing vendor will not support the system past 2014, and it is unknown what will replace the FRS across the Province after that. System redevelopment to support the radio system is estimated at $6.0 million, which is to be completed in two phases in 2015/2016.

Project Name: **Computer Automation**

Department: Planning, Property and Development

Capital Priority Rating: 3 - 3

Project: 6361000411

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	-	200	200	-	200	600	800
Financed by:									
Cash to Capital		200		200	200		200	600	800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	200	200	-	200	-	800
Financed by:								
Cash to Capital	200		200	200		200		800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	6		6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		19	19
SURPLUS/(DEFICIT)	6	(19)	(13)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an on going office automation program. Its primary goals are to deliver cost-effective solutions that provide convenient customer service to our citizens and to improve organizational efficiencies. We can achieve these goals through expansion of online services, office/ workflow automation, re-engineering of legacy systems, electronic documents management, and systems integration (e.g. database synchronization) between our own applications and those of other departments.

It is anticipated that maintaining and improving a solid technological framework can provide the basis for organization improvements that increase efficiency and reliability. In order to improve service delivery, we strive to make information more accessible, streamline workflows, and reduce any duplication of efforts. It can also be argued that some initiatives such as electronic document submissions are not only citizen-friendly but environmentally responsible as well.

A general program of ongoing system improvement is suggested and is seen as reasonable to ensure the continued longevity and viability of the City's investment in office automation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Riverbank Greenway Programs**

Department: Planning, Property and Development
Capital Priority Rating: 1 - 2
Project: 6351300111
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,921	403	400	381	400	400	443	2,024	2,427
Financed by:									
Cash to Capital		403	400	381	400	400	443	2,024	2,427

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	403	400	381	400	400	443	-	2,427
Financed by:								
Cash to Capital	403	400	381	400	400	443		2,427

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12	12	11
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
SURPLUS/(DEFICIT)	12	(26)	(65)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program supports the acquisition of riverbank lands for the City's linear parkway system and promotes the use of the City's rivers and riverbanks by facilitating public access to rivers and riverbank lands and encouraging the use of Winnipeg rivers for transportation and recreation through the provision of boat launches, docks, pathways, and other accessibility improvements.

Funds provided are for implementation according to the prioritized river segments adopted by Council as opportunities present themselves and as needs dictate. The current top six priority parkways include North Winnipeg, South Winnipeg, Kildonan, Boni-Vital , North Assiniboine, and South Assiniboine, in no particular order.

2011 Proposed Projects

Boni-Vital Parkway - Winnipeg Canoe Club Connection

South Assiniboine Parkway - Gerald Lynch Park River Access & Dock Improvements

Seine River Greenway - Shorehill to Creek Bend Road Connections

North Assiniboine Parkway - River access project- Construction in Fall 2010/ Spring 2011

North Winnipeg Parkway - Redwood to St. John's Park Connection

Project Name: **Cemeteries - Improvements**

Department: Planning, Property and Development
Capital Priority Rating: 1 - 3
Project: 6322100111
Service: Cemeteries

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,216	400	300	300	300	360	332	1,592	1,992
Financed by:									
Cash to Capital		300	200	200	200	260	232	1,092	1,392
Veterans Affairs Canada		100	100	100	100	100	100	500	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	300	300	300	360	332	-	1,992
Financed by:								
Cash to Capital	300	200	200	200	260	232		1,392
Veterans Affairs Canada	100	100	100	100	100	100		600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		29	48
SURPLUS/(DEFICIT)	9	(23)	(42)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funds are required to supplement funding being received from Veterans Affairs Canada (VAC) under a joint funding project to renovate the Brookside Cemetery. VAC have so far invested $60k in 2007, $120k in 2008, $200k in 2009, $100k in 2010 and a discussion of $100k average for further years to complete the project; further funding is promised but not guaranteed for the next 10 years.

In addition, the Capital funds are required for the purchase and installation of columbaria and other cremation interment facilities at City cemeteries. In the past the investment in columbaria units has generated revenues in excess of 200% of the investment sum. The Transcona Cemetery needs to have installed a cremation garden that will assist in increasing revenues and also the Chapel building is decaying and becoming unsafe, so requires renovation and to include indoor columbaria to generate reveue in support of the cost of funding the building renovation.

Project Name: **Downtown Enhancement Program**

Department: Planning, Property and Development
Capital Priority Rating: 2 - 3
Project: 6351800111
Service: City Beautification

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,418	400	400	400	400	400	400	2,000	2,400
Financed by:									
Cash to Capital		400	400	400	400	400	400	2,000	2,400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	400	400	400	400	400	-	2,400
Financed by:								
Cash to Capital	400	400	400	400	400	400		2,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
SURPLUS/(DEFICIT)	12	(26)	(64)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Program objective is the functional and aesthetic improvements and required upgrades to public spaces and streetscapes in the Downtown and Exchange District National Heritage Site. The funds enhance accessibility, safety, comfort and urban design quality of pedestrian environments and fulfill the commitment to the "Downtown First" philosophy. The Downtown Winnipeg Urban Design Guidelines provide the guiding principles to support design and enhance the liveability of Winnipeg's Downtown Urban environment.

The program supports and develops ongoing partnership opportunities for future Public / Private development and redevelopment partnerships and projects such as: Old Market Square, Broadway, Hydro Tower, Millennium Library Park, Bonnycastle Park and the Assiniboine River walk. Projects have traditionally relied on and/or leveraged other partnership opportunities and have supported private redevelopments.

These public open space and streetscape improvements are over and above and exclusive of work assumed by the Public Works, Transit, and Water and Waste Departments who are responsible for existing infrastructure such as curbs, street and sidewalk repairs, street trees, planters, boulevards, required maintenance and accessibility standards.

Priorities 2011-2016 include but are not limited to: Old Market Square Phase III; Manitoba Hydro Precinct; Bonnycastle Park and Assiniboine River walk; Air Canada Park; Downtown and Exchange District Pedestrian Facilities Enhancements; East Exchange including Manitoba Sports Federation Streetscaping; Broadway; and the Edmonton Street Pedestrian Corridor.

After adoption of the 2010 Capital Budget, Council approved (January 27, 2010), a new capital project "Old Market Square Redevelopment" with a total budget of $1.25 million from the Downtown Enhancement Program, the Government of Canada, Centre Venture Development Corporation and the Winnipeg Foundation was approved and is noted in previous capital.

Council also approved (February 24, 2010) an amendment to 2009 Downtown Enhancement Capital Program Budget by transferring $217,500 from the Planning, Property and Development Department's Non-specified Capital Account to the 2009 Downtown Enhancement program in order to complete the Waterfront Drive Public Art project. Accordingly, the Previous Budgets amount has been restated.

The Millennium Library Park has been the recipient of $575,000 for Public Art from the Cultural Capital of Canada Public Art program. Additional phases of the Park will be funded by the Winnipeg Library Foundation fundraising efforts for a kiosk, southeast plaza, the event plaza and stage.

Project Name: **Community and Neighbourhood Main Streets (BIZ Areas, Streetscaping, Placemaking)**

Department: Planning, Property and Development
Capital Priority Rating: 2 - 3
Project: 6351241511
Service: City Beautification

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	400	400	-	400	-	400	1,200	1,600
Financed by:									
Cash to Capital		400	400		400		400	1,200	1,600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	400	-	400	-	400	-	1,600
Financed by:								
Cash to Capital	400	400		400		400		1,600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12	12	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
SURPLUS/(DEFICIT)	12	(26)	(76)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The work focuses on the Business Improvement Zones (outside the Downtown), designated image routes and neighbourhood main streets. The funds will be utilized to initiate, partner and implement streetscape initiatives, enhance accessibility, safety, comfort and urban design quality of pedestrian environments. These enhancements are over and above and exclusive of work assumed by the Public Works Department that includes curb, street and sidewalk repairs, and the required maintenance of existing infrastructure including shrub, tree and turf replacement.

This enhancement program will continue in consultation and collaboration with the Winnipeg BIZ Association and in partnership with the private sector to achieve the goal statements of: supporting Community and Neighbourhoods Main Streets (BIZ's) and providing anchors for neighbourhoods and character districts; providing a vibrant environment for both businesses and residents to enhance the image and vitality of our neighbourhoods and our city; ensuring the renewal and sustainment of the infrastructure which creates a sense of place and destination in and along Business Improvement Zones and of Image Routes.

This enhancement program takes the form of decorative medians, pedestrian lighting, banner poles, special entry nodes, special pavement treatments, character signage, plants, trees and site furnishings.

The City of Winnipeg, through the enhancement program, will work with the proponents by having a three phase approach including: Conceptual planning and design development in Phase 1; and a two-year Phase 2 and Phase 3 for tender and construction to allow complementary and partnership funding. The program aligns to have up to three partnered projects moving forward at any given time.

2011 - St. James Village BIZ (Major Project Revitalization), West Broadway BIZ (Major Project Revitalization), Osborne Village BIZ (Concept Plan Development), Grosvenor Square Street Elements Maintenance upkeep

2012 - St. James Village BIZ (Major Project Revitalization), West Broadway BIZ (Major Project Revitalization), Osborne South BIZ (Concept Plan), Old St Vital BIZ (Concept Plan Development), BIZ Zones--Rapid Transit Stations connectivity strategy

2013 - Osborne Village BIZ (Major Project Revitalization), Norwood Grove BIZ (Concept Plan Development)

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Public Art Strategy**

Department: Planning, Property and Development
Capital Priority Rating: 1 - 1
Project: 6351400711
Service: City Beautification

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,100	500	500	500	500	500	500	2,500	3,000
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	500	500	500	-	3,000
Financed by:								
Cash to Capital	500	500	500	500	500	500		3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		48	95
SURPLUS/(DEFICIT)	15	(33)	(80)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On September 24, 2003, Council approved in principle the Public Art Policy of the Mayor's Task Force on Public Art in Winnipeg and directed that the Chief Administrative Officer work in conjunction with WAC (Winnipeg Arts Council) to develop the necessary procedures for implementing the direction of the policy, including but not limited to those areas relating to governance and funding. Council adopted a Public Art Policy on October 27, 2004.

Projects underway:

- United Way/Winnipeg Arts Council Public Art Project for UW's new building
- WITH ART Projects: Eritrean Community; Dorchester House; Resource Assistance for Youth; Unitarian Church Food Bank
- Artist-in-Residence in Community Gardens and Portage Planters
- Central Park
- Osborne Bridge Rehabilitation
- Library Literary Fence
- Cultural Capital Public Art Project

Public Art Strategy (continued):

Projects implemented:

- WITH ART Projects: Immigrant and Refugee Community Organization of Manitoba; Manitoba Urban Native Housing Association; Maternity Care Action Network; Spence Neighbourhood Association; Elwick Community Centre

- Artist-in-Residence Projects: City Archives “Souvenirs”; Living Prairie Museum “lost_landscape”; St. Boniface Museum “Reliquary/ Reliquaire”

- Vimy Ridge Memorial Park “Table of Contents”

- Millennium Library “Untitled” and “The Illumination”

- Downtown BIZ Bike Rack Collaboration

- Assiniboine Park Sculpture "Agassiz Ice"

- Exchange District BIZ Poster Board Collaboration

- Bishop Grandin Greenway “land/mark”

- University of Winnipeg Transit Project ”City.Block.Stop”

- Maison des artistes “Monument”

Project Name: **Land Acquisition for General Unspecified Purposes**

Department: Planning, Property and Development
Capital Priority Rating: 3 - 2+2
Project: 6321100111
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	300	300	300	300	300	300	1,500	1,800
Financed by:									
Cash to Capital		300	300	300	300	300	300	1,500	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	300	300	300	300	300	-	1,800
Financed by:								
Cash to Capital	300	300	300	300	300	300		1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	9	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		29	57
SURPLUS/(DEFICIT)	9	(20)	(48)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

General provision for the annual acquisition of land for purposes other than regional streets and riverbank property. This provides for the acquisition of properties which are unforeseen at this time.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Developer Payback**

Department: Planning, Property and Development
Capital Priority Rating: 1 - 1
Project: 6351000211
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	734	261	250	203	298	-	202	953	1,214
Financed by:									
Cash to Capital		261	250	203	298		202	953	1,214

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	261	250	203	298	-	202	-	1,214
Financed by:								
Cash to Capital	261	250	203	298		202		1,214

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	8	7	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		25	49
SURPLUS/(DEFICIT)	8	(18)	(43)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg is legally obligated through the approved Development Agreement Parameters to provide payback on older Developer Agreements based on the approved 48/52% split on the development of park costs. The funding formula is that the City of Winnipeg contributes 52% to the park development costs. Additionally, these funds will cover provision of basic amenities that are more cost-effective and practical to install at the time of initial development (such as pathways, lighting, tree planting) particularly for linear park developments.

Applications from some of the outstanding (older) agreements are now being received due to the current build out.

Calculations based on industry consultation and the actual reviewed costs of works as they are completed each calendar year. Capital requirements are updated on an ongoing basis.

Project Name: **Riverbank Stabilization - Physical Asset Protection**

Department: Planning, Property and Development
Capital Priority Rating: 3 - 4
Project: 6351300211
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,800	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
Financed by:									
Cash to Capital	1,900			1,000	1,000	1,000	1,000	4,000	4,000
Manitoba Winnipeg Infrastructure Program (MWIP)	3,900	1,000	1,000					1,000	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	1,000	1,000	1,000	1,000	-	6,000
Financed by:								
Cash to Capital			1,000	1,000	1,000	1,000		4,000
Manitoba Winnipeg Infrastructure Program (MWIP)	1,000	1,000						2,000

Revenue increase/(decrease)	29	29	29
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		95	190
SURPLUS/(DEFICIT)	29	(66)	(161)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2000, the Riverbank Stability Characterization Study identified stability conditions of 106 km of City owned riverbank property which comprises approximately 45% of all such property within The City of Winnipeg. Inasmuch as costs to effectively stabilize all City owned river and creek banks requires a significant funding commitment of $80 million (2000 dollars), "first phase" priority sites were established in the report for purposes of the City implementing stabilization along the most critical sections of riverbank. Four priority sites have been stabilized to date, namely, Annabella Street to May Street (2003), St. John's Park (2006), Bunn's Creek (2006) and St. Vital Park (2008) at a total cost of approximately $4.0 million.

Riverbank Stabilization (continued):

The Planning, Property & Development Department, in collaboration with the University of Manitoba, developed a Geographic Information System (GIS) Riverbank Asset Management System which systematically updated the priority sites listing in 2009 for all City owned riverbank property based on assigned engineering attributes as follows:

Site	Amount
Red River - Churchill Park (Montague to Cockburn)	2,620,000
Red River - King's Park (Outside Bend)	2,770,000
Red River - Guay Park	1,110,000
Red River - King's Park	1,460,000
Red River - Minnetonka at River Road	430,000
Red River - River to Rivergate	1,780,000
Red River - Canoe Club	3,570,000
Red River - St. Mary's at Perimeter	3,610,000
Red River - Crescent Park	1,010,000
Red River - St. Vital Cemetery	2,100,000
Red River - Glasgow to Brandon	1,040,000
Red River - Lyndale Drive	1,650,000
Total:	23,150,000

Project Name: **Building Communities Initiative II**

Department: Planning, Property and Development

Capital Priority Rating: 2 - 4

Project: 6351200011

Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	9,500 *	2,000	2,000	2,000	2,000	2,500	2,100	10,600	12,600
Financed by:									
Cash to Capital		1,000	1,000	1,000	1,000	1,250	1,050	5,300	6,300
Manitoba Winnipeg Infrastructure Program (MWIP)		1,000	1,000	1,000	1,000	1,250	1,050	5,300	6,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,000	2,000	2,000	2,000	2,500	2,100	-	12,600
Financed by:								
Cash to Capital	1,000	1,000	1,000	1,000	1,250	1,050		6,300
Manitoba Winnipeg Infrastructure Program (MWIP)	1,000	1,000	1,000	1,000	1,250	1,050		6,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	29	29	29
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		95	190
SURPLUS/(DEFICIT)	29	(66)	(161)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Building Communities Initiative II (BCI) is a capital expenditure program that invests in community infrastructure in Winnipeg's neighbourhoods. The program's goals are to improve living conditions in Winnipeg's neighbourhoods where capital improvements in parks, community facilities, municipal infrastructure, and crime prevention initiatives will have lasting, long-term benefits to the neighbourhood and the larger urban community.

A two Phase $20 million "Building Communities II" Agreement between the City of Winnipeg and Province of Manitoba was executed on May 27, 2010.

Approved Capital funding to 2010 ($9.5 million) reflects commitments to BCI II- Phase One (2010-2012) projects, including 21 approved projects and 18 endorsed projects by BCI Policy Committee as at May 25, 2010.

* Amount has been adjusted to reflect previous funding for BCI I and has been reduced $400,000 as a result of December 16, 2008 Council Recommendation.

Project Name: **General Building Renovation and Refurbishing**

Department: Municipal Accommodations
Project: 633100002yy

Capital Priority Rating: 3 - 3
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	500	500	500	500	2,500	3,000
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	500	500	500	-	3,000
Financed by:								
Cash to Capital	500	500	500	500	500	500		3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		48	95
SURPLUS/(DEFICIT)	15	(33)	(80)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an ongoing program to fund small corporate moves, minor interior renovations, and other miscellaneous projects for which no other separate financing is available. Fundamental to productivity gain: for corporate renovations, moves, etc. which facilitate client changes/ activities.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Accommodation Facilities**

Department: Municipal Accommodations
Project: 63310006yy

Capital Priority Rating: 3 - 2+2
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,100	1,100	2,200	1,830	2,100	1,820	9,050	10,150
Financed by:									
Cash to Capital		1,100	1,100	2,200	1,830	2,100	1,820	9,050	10,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,100	1,100	2,200	1,830	2,100	1,820	-	10,150
Financed by:								
Cash to Capital	1,100	1,100	2,200	1,830	2,100	1,820		10,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	32	32	64
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		105	209
SURPLUS/(DEFICIT)	32	(73)	(145)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and/or improvements to various Accommodations facilities and includes interior, accessibility, elevator, escalator, heating, ventilation, air conditioning, electrical, plumbing, parking lot, building envelope and structural improvements.

Projects for 2011 include the following:

Accessibility improvements - 510 Main Street, 20 Westgate, 500 Salter and various sites

Elevator Refurbishment - 510 Main Street

Parking lot refurbishment - 130 Allard, 700 Assiniboine Park Dr., 2546 McPhillips and various sites

Roof Refurbishment - 1360 Pembina and various sites

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fire/Life Safety/Regulatory Upgrades**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 4

Project: 63310004yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	525	549	525	1,125	725	625	3,549	4,074
Financed by:									
Cash to Capital		525	549	525	1,125	725	625	3,549	4,074

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	525	549	525	1,125	725	625	-	4,074
Financed by:								
Cash to Capital	525	549	525	1,125	725	625		4,074

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	16	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		50	102
SURPLUS/(DEFICIT)	15	(34)	(87)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is for Fire/Life Safety/Regulatory Requirements which includes upgrading/replacement of fire safety systems, emergency lighting, regulatory upgrades, asbestos and other hazardous material abatement as identified through the Asset Management program for various facilities to meet the requirements of Fire/Building Codes and changing Government Regulations. Facilities include all recreation facilities and accommodation facilities.

Projects for 2011 include the following:

Fire alarm/gas detection upgrades various facilities

Asbestos abatement various facilities

Miscellaneous projects

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Energy Conservation**

Department: Municipal Accommodations
Project: 63310006yy

Capital Priority Rating: 3 - 4
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	150	200	100	100	750	750
Financed by:									
Cash to Capital			200	150	200	100	100	750	750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	150	200	100	100	-	750
Financed by:								
Cash to Capital		200	150	200	100	100		750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		4	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			14
SURPLUS/(DEFICIT)	-	4	(8)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is part of a continuing initiative to reduce energy consumption.

Optimizes operational savings.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Civic Centre Car Park Tunnel**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 3

Project: 63310001yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	200	-	-	-	100	300	300
Financed by:									
Cash to Capital			200				100	300	300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	100	-	300
Financed by:								
Cash to Capital		200				100		300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		6	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			19
SURPLUS/(DEFICIT)	-	6	(19)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Structural repairs, waterproofing, and restoration to the underground tunnel between the Car Park and the Civic Centre are required. The estimate contained for 2012 provides for the associated engineering costs only.

Major structural repairs will be required.

Project Name: **Tenant Improvement Prepayment - Major Department**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 4

Project: 63310023yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	500	-	-	200	200	900	900
Financed by:									
Cash to Capital			500			200	200	900	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	200	200	-	900
Financed by:								
Cash to Capital		500			200	200		900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		15	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			48
SURPLUS/(DEFICIT)	-	15	(48)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funds set aside for replacement of depreciated tenant improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Historic Buildings**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 2

Project: 63310007yy
Service: Heritage Conservation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	200	200	200	200	1,000	1,000
Financed by:									
Cash to Capital			200	200	200	200	200	1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	200	200	200	200	-	1,000
Financed by:								
Cash to Capital		200	200	200	200	200		1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			19
SURPLUS/(DEFICIT)	-	6	(13)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg has a substantial inventory of historic buildings that are steadily deteriorating. This program will provide for structural planning and remediation of further deterioration.

Major structural repairs may be required.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Generator Set Replacement and Upgrades**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 4+2

Project: 63xxxxxxyy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	800	-	200	-	1,000	1,000
Financed by:									
Cash to Capital				800		200		1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	800	-	200	-	-	1,000
Financed by:								
Cash to Capital			800		200			1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			24
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	24

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing emergency generator sets in a number of accommodations facilities are coming to the end of their useful life.

Maintenance costs are rising and there is a possibility of existing generators not functioning as intended in future power outages.

Present Building Codes require additional equipment, needed for fire and life safety purposes, to be supplied with backup power from a generator.

Mission critical operations within these facilities require backup power which exceeds the capacity of existing generator sets.

Building occupants are requesting backup power for their information technology operations which existing generator sets are not able to provide.

Project Name: **Security/Building Automation System Initiatives**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 4+2

Project: 63310026yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	700	125	125	225	225	225	140	940	1,065
Financed by:									
Cash to Capital		125	125	225	225	225	140	940	1,065

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	125	125	225	225	225	140	-	1,065
Financed by:								
Cash to Capital	125	125	225	225	225	140		1,065

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	3	3	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		12	24
SURPLUS/(DEFICIT)	3	(9)	(18)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Security/Building Automation systems include: HVAC controls, security systems and building access and monitoring systems.

Security has been noted as an ongoing concern within all facilities. Enhanced security will reflect the evolving risk management needs to protect City staff and property from potential injury and loss and reduce legal liability. Possible upgrades may include security system improvements, system upgrades, access control and surveillance systems.

Present HVAC controls in buildings are aging and require replacement or upgrading to current standards. Up to date building HVAC controls are required for occupant comfort and contribute to reductions in energy consumption.

Project Name: **Community Centres - Refurbishing and Improvements**

Department: Municipal Accommodations
Project: 63900001yy

Capital Priority Rating: 1 - 4
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	910	500	500	700	700	700	3,100	4,010
Financed by:									
Cash to Capital		910	500	500	700	700	700	3,100	4,010

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	910	500	500	700	700	700	-	4,010
Financed by:								
Cash to Capital	910	500	500	700	700	700		4,010

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	27	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		87	134
SURPLUS/(DEFICIT)	27	(72)	(119)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and improvements of Community Centres (CC).

Projects for 2011 include the following:

Roofing / Building Envelope / Structural Upgrades: West Kildonan CC, Richmond Kings CC, Oxford Heights CC	250
Parking Lot / Site Drainage / Hard Surface Building Access Upgrades: Dakota CC, Richmond Kings CC	250
Expansion/renovation of Lindenwoods CC	410
Total	910

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Arenas**

Department: Municipal Accommodations
Capital Priority Rating: 1 - 4

Project: 63910001yy
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	525	525	525	525	525	525	2,625	3,150
Financed by:									
Cash to Capital		525	525	525	525	525	525	2,625	3,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	525	525	525	525	525	525	-	3,150
Financed by:								
Cash to Capital	525	525	525	525	525	525		3,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		50	100
SURPLUS/(DEFICIT)	15	(35)	(85)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and/or improvements to various indoor arenas including ice plant component replacement, interior improvements, heating, ventilation and electrical improvements, replacements of rink components, building envelope and structural improvements.

Projects for 2011 include the following:

Roof Replacement - Maginot arena

Glue Lam Beam Repairs - Terry Sawchuk arena

Refurbishments - various arenas

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Indoor Aquatic Facilities**

Department: Municipal Accommodations
Project: 63920001yy

Capital Priority Rating: 1 - 4
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,240	2,530	2,530	2,530	2,530	2,530	12,650	14,890
Financed by:									
Cash to Capital		2,240	2,530	2,530	2,530	2,530	2,530	12,650	14,890

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,240	2,530	2,530	2,530	2,530	2,530	-	14,890
Financed by:								
Cash to Capital	2,240	2,530	2,530	2,530	2,530	2,530		14,890

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	19	74	74
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		233	474
SURPLUS/(DEFICIT)	19	(159)	(400)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and replacement of deteriorated building components/systems to selected aquatic facilities due to safety issues and aging building systems.

Projects for 2011 include the following:

Accessibility upgrades - Margaret Grant, Elmwood-Kildonan, Pan-Am

Replace tile on deck - Margaret Grant

Pool Tank refurbishment - Seven Oaks and Elmwood Kildonan

DE Filter tank repairs - St. James Centennial

Main entrance replacements, doors C/W card access, new enclosure - Elmwood Kildonan, Seven Oaks, Transcona Centennial

Carpet, Sports flooring, tile refurbishment - various locations

Parking lot refurbishment - Design complete - Elmwood Kildonan

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Outdoor Aquatic Facilities**

Department: Municipal Accommodations
Capital Priority Rating: 1 - 4

Project: 63930001yy
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	350	350	350	330	330	350	1,710	2,060
Financed by:									
Cash to Capital		350	350	350	330	330	350	1,710	2,060

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	350	350	350	330	330	350	-	2,060
Financed by:								
Cash to Capital	350	350	350	330	330	350		2,060

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	10	10	10
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		33	67
SURPLUS/(DEFICIT)	10	(23)	(57)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishing/improvements to various outdoor facilities including wading pool basins, slide components, outdoor swimming pool tanks, mechanical systems and pool decks required due to aging building infrastructure.

Projects for 2011 include the following:

Security and building automation installation and upgrades - Kildonan Park, Transcona, Westdale and Freighthouse

Roof replacement - various facilities

Wading pool refurbishment - various

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Community Facilities**

Department: Municipal Accommodations
Project: 63940001yy

Capital Priority Rating: 1 - 4
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	410	200	200	200	200	200	1,000	1,410
Financed by:									
Cash to Capital		410	200	200	200	200	200	1,000	1,410

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	410	200	200	200	200	200	-	1,410
Financed by:								
Cash to Capital	410	200	200	200	200	200		1,410

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	6	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		19	38
SURPLUS/(DEFICIT)	6	(13)	(32)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and/or replacement of building components and systems to meet safety and health concerns and correct deteriorating infrastructure at shops, leisure centres, etc.

Projects for 2011 include the following:

625 Osborne - continued building system refurbishment

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Building Asset / Work Management Program**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 4

Project: 63900010yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	100	100	100	200	200	162	762	862
Financed by:									
Cash to Capital		100	100	100	200	200	162	762	862

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	100	100	200	200	162	-	862
Financed by:								
Cash to Capital	100	100	100	200	200	162		862

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	3	3	3
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		10	19
SURPLUS/(DEFICIT)	3	(7)	(16)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Auditor presented the Public Works Asset Management Audit - Part 2 Facilities Maintenance in June 2006. The Audit made a number of recommendations relative to the development of an asset management/work management program and linking to other division/ corporate programs. This funding provides for the ongoing program of building assessment/inspection to ensure building condition data is current, and ongoing improvements to the division's work management program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **UFF - Hockey Pen Light Standard Replacement**

Department: Municipal Accommodations
Project: 63900020yy

Capital Priority Rating: 1 - 4
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital		100	100	100	100	100	100	500	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	100	100	100	100	100	-	600
Financed by:								
Cash to Capital	100	100	100	100	100	100		600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	3	3	3
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		10	19
SURPLUS/(DEFICIT)	3	(7)	(16)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The replacement of hockey pen light standards at various locations has been determined to be the City's responsibility under the Universal Funding Formula (UFF) with the Community Centres. As such, this program is intended to replace hockey pen light standards and bases in consideration of workplace safety and health issues, utilization of such hockey pens, number of pens at the specific site, and the Recreation and Leisure Facilities (RALF) policy context.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Recreation and Leisure Facilities**

Department: Municipal Accommodations
Project: 63990001yy

Capital Priority Rating: 1 - 4
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	43,760	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		8,000						-	8,000
General Purpose Reserve (Repayment)		(8,000)						-	(8,000)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	-		-
Financed by:								
Cash to Capital	8,000							8,000
General Purpose Reserve (Repayment)	(8,000)							(8,000)

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	160		
Less:			
Operating expenditures increase/(decrease)	486	486	
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(326)	(486)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On June 29, 2005, Council approved $43 million for recreation and leisure facilities. The City's Recreation and Leisure Facilities Policy was adopted on May 18, 2005. The timelines for projects were finalized each year through the capital budget process considering priorities, project readiness, and financial/operational capacity.

Funds are allocated to the Community Centre Investment Fund as well as administration and overhead charges.

Project Name: **University of Winnipeg - Soccer Complex**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 4

Project: 63900010yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	2,000	-	-	-	-	-	-	2,000
Financed by:									
Capital Grant - Proceeds from Glacial Sand and Gravel		2,000						-	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,000	-	-	-	-	-	-	2,000
Financed by:								
Capital Grant - Proceeds from Glacial Sand and Gravel	2,000							2,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This $2 million grant represents a contribution by the City of Winnipeg toward the cost of an indoor soccer field to be included in a new recreation facility located at the University of Winnipeg.

The new recreation facility is to be constructed alongside Spence Street between the Duckworth Centre and the new bus loop near Portage Avenue (Spence Street Promenade).

As this project is a Capital grant it is exempt from the 1% administration overhead charge. The 2% short-term interest charge is also not applicable as the funding source is other than cash-to-capital.

Project Name: **Corporate Records Centre**

Department: City Clerks
Project: 0400000912

Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	575	-	150	-	-	-	-	150	150
Financed by:									
Cash to Capital			150					150	150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	150	-	-	-	-	-	150
Financed by:								
Cash to Capital		150						150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		5	14
SURPLUS/(DEFICIT)	-	(5)	(14)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Clerk's Department has a corporate responsibility for records management services and archives as outlined in the City of Winnipeg Charter. To date, temporary record storage has taken place at 380 William Avenue. The facility is now at maximum capacity, forcing departments to utilize private records storage centers. Departments are bound by by-law to keep records for a specific period of time.

In order to provide a more centralized and more cost effective records management storage services, the City Clerk's Department will renovate a portion of a city owned warehouse at 311 Ross Avenue to accommodate records storage. The area will remain a warehouse but requires some repairs to floors and walls, upgraded lighting and security, and installation of shelving. The records center opened in August of 2007.

Ongoing upgrades are expected at the 5-year mark to meet anticipated demand for corporate records. These will include a review with departments on practices, procedures and charge backs. Expansion of storage capabilities will be undertaken, especially in the area of oversized and specialty records.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Election Systems**

Department: City Clerks
Project: 0400000511

Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	150	200	-	-	350	350
Financed by:									
Cash to Capital				150	200			350	350

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	150	200	-	-	-	350
Financed by:								
Cash to Capital			150	200				350

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			5
SURPLUS/(DEFICIT)	-	-	(5)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In accordance with the Department's statutory responsibility to compile a List of Electors and convene elections, every four years the Department ensures the renewal of equipment and systems used in Election processes.

As some of the systems are only used every 4 years, they require either extensive renovations or complete rewrites to allow them to function with changed systems, networks and databases.

In the past, this has involved corporate mainframes and a large number of staff hours. For the 2010 Election the City Clerk's Department ensured systems were operational using in-house resources and contract personnel, and by purchasing ready made systems from election partners such as our voting machine partner Election Systems and Software and our voters list partners Elections Canada and Elections Manitoba.

Systems which will need to be upgraded / revitalized for the 2014 Election include the List of Electors system, GIS mapping systems, election night reporting systems, and web sites, especially those utilizing the Internet for more effective communication with candidates, media and the public.

A similar effort will be required for the 2018 elections.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **City Archives**

Department: City Clerks
Project: 0400000111
Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012 **	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	500	500	500	500	500	-	2,000	2,500
Financed by:									
Cash to Capital		500	500	500	500	500		2,000	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	500	500	-	-	2,500
Financed by:								
Cash to Capital	500	500	500	500	500			2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	15	90	143
SURPLUS/(DEFICIT)	(15)	(90)	(143)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Archives, located at 380 William Avenue, was opened as the City's first library in the early 20th century. The building currently serves as a repository for storage of the City's historical information and has done so since 1977. The structure was designated a heritage building in 1984. Protected elements include the front rooms on the first and second floors, the building exterior and the iron fence surrounding the property.

The building until recently acted as the City's record centre. Deflection of second floor beams and a potential for collapse have resulted in much of the records storage / weight being removed from the second floor of the building and transferred to 311 Ross. A consultant's report has identified several issues with the building including the need to address the load bearing capacity of the second floor, ensuring appropriate repairs to the Tyndall Stone facade, ensure adequate waterproofing for the roof and foundation, as well repair / replacement of windows. Also identified are a lack of fire suppression systems and lack of wheelchair ramps in the building. These issues will be addressed over a series of years based on priority with the final year of funding being 2015.

The most pressing immediate need is repair of the iron fence surrounding the property. Due to the historic designation of the property and the fence, the fence needs to be rebuilt in the same manner as existing, rather than simply be removed or rebuilt in wood.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Manitoba Children's Museum Capital Renewal Project**

Department: City Clerks
Project: 0400001311

Capital Priority Rating: 1 - 4
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
General Purpose Reserve		100						-	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
General Purpose Reserve	100							100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This grant of $100,000 is to be provided to the Manitoba Children's Museum to support their capital renewal project.

Project plans for renewal include:

- a new Welcome Centre, providing upgraded admission amenities, as well as providing needed safety and security for the youngest visitors and serving as a gathering place;
- 12 innovative, creative, multi-level galleries in an holistic environment, offering open-ended play and discovery opportunities;
- a fully dedicated toddler area to meet the needs of our youngest and most treasured adventurers; and
- a multi-functional Arts and Exhibition Centre for travelling exhibits, special events, performances and rentals along with three educational classrooms for programs and workshops.

As this is a capital grant, it is exempt from the following overheads, 1% administration and 2% interest charges.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Le Cercle Molière Theatre Facility**

Department: City Clerks
Project: 0400001411
Capital Priority Rating: 1 - 4
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	50	-	-	-	-	-	-	50
Financed by:									
General Purpose Reserve		50						-	50

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	50	-	-	-	-	-	-	50
Financed by:								
General Purpose Reserve	50							50

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This grant of $50,000 is to be provided to Le Cercle Molière to support the construction of a new 19,000 square foot theatre facility.

The new theatre will be designed for small audiences of up to 125 people. With maximum flexibility in mind, non-fixed seating and platforms will be designed to allow unorthodox stage configurations as required by each production. State-of-the-art acoustic, lighting and sound systems will provide the infrastructure for a new era of exploration and artistic excellence.

As this is a capital grant, it is exempt from the following overheads, 1% administration and 2% interest charges.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Time and Labour**

Department: Corporate Support Services
Capital Priority Rating: 5 - 4
Project: 3459000011
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	250	500	-	-	-	-	-	-	500
Financed by:									
Cash to Capital		500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	-	-	-	-	-	-	500
Financed by:								
Cash to Capital	500							500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	15	45	48
SURPLUS/(DEFICIT)	(15)	(45)	(48)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required for a business review, development and implementation of a Consolidated Time and Labour Model for the City of Winnipeg. The review will identify opportunities for improvement of current systems, identify applications that can be consolidated and improve operating processes and procedures. Recommendations and project implementation will provide system improvements, increase economy, efficiency and effectiveness related to the recording and reporting of time and labour through centralization of this function.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Consolidated Data Warehouse / Business Intelligence**

Department: Corporate Support Services
Capital Priority Rating: 2 - 3
Project: 3456000011
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	925	-	169	153	218	203	743	1,668
Financed by:									
Cash to Capital		925		169	153	218	203	743	1,668

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	925	-	169	153	218	203	-	1,668
Financed by:								
Cash to Capital	925		169	153	218	203		1,668

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	28	83	93
SURPLUS/(DEFICIT)	(28)	(83)	(93)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The ability to accurately and consistently report data from many applications is becoming increasingly important. The Data Warehouse/ Business Intelligence initiative will provide the base from which many application systems and their data can be brought together to provide reporting capability as the City moves toward a more service based view of its operation.

Included in this program is a project to build a single repository of data to enable the City's systems to link with the Provincial system for the sharing of common Business Identification Numbers. This starts the process of consolidating all business data in the city, resulting in cost-savings and efficiencies. The initiative to a common Business Identification Number satisfies the Red Tape Commission's recommendation number 6.1 - Standardized Business numbers.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Communications Network Infrastructure**

Department: Corporate Support Services
Capital Priority Rating: 2 - 4
Project: 3401000011
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	638	593	277	541	566	553	2,530	3,168
Financed by:									
Cash to Capital		638	593	277	541	566	553	2,530	3,168

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	481	557	470	541	566	553	-	3,168
Financed by:								
Cash to Capital	481	557	470	541	566	553		3,168

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	14	60	113
SURPLUS/(DEFICIT)	(14)	(60)	(113)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Communications Network Infrastructure is the implementation and enhancement of the backbone network infrastructure which connects the decentralized computers in Civic Departments. This is a high speed infrastructure to enable the sharing and distribution of corporate information across departments with more management, control, flexibility, and ease of use at the department level. Information could be processed and stored on lower cost computers in or for departments and made accessible city-wide through the network infrastructure. The infrastructure would extend the availability of applications such as e-mail and internet to all departments.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Network Computing Initiatives**

Department: Corporate Support Services
Capital Priority Rating: 3 - 4
Project: 3402000011
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	211	213	213	212	212	212	1,062	1,273
Financed by:									
Cash to Capital		211	213	213	212	212	212	1,062	1,273

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	211	213	213	212	212	212	-	1,273
Financed by:								
Cash to Capital	211	213	213	212	212	212		1,273

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	25	47
SURPLUS/(DEFICIT)	(6)	(25)	(47)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Network Computing Initiatives are emerging multi-tiered infrastructure, internet/intranet servers and other similar network based computing technologies that are required to implement both corporate and departmental initiatives in support of shared quality customer information services. Specific initiatives include hardware, software, and physical facilities protecting the City's networks and key systems from single site disasters, security products to address the ever growing computer virus and "spam" outbreaks, and re-organization assistance to efficiently manage new environment paradigms.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **E-Government**

Department: Corporate Support Services
Capital Priority Rating: 2 - 3
Project: 3453000011
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	310	467	629	655	603	573	2,927	3,237
Financed by:									
Cash to Capital		310	467	629	655	603	573	2,927	3,237

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	310	467	100	1,184	603	573	-	3,237
Financed by:								
Cash to Capital	310	467	100	1,184	603	573		3,237

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	9	42	77
SURPLUS/(DEFICIT)	(9)	(42)	(77)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

E-Government supports projects that use information technology to support the provision of e-government services. It covers a broad spectrum of initiatives that typically fall into two main categories: 1. Providing better service to citizens (i.e. 24 X 7, self-service options); and 2. Providing services more efficiently and effectively, translates into productivity gains and reduced costs. These funds will be used to provide applications to improve the City's Internet site and to provide better and new electronic services to citizens. In addition, the funds will be used to purchase software to support the development of citizen self-service applications on the web. This software includes content management software, portal software, and single sign-on and authentication software.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **PeopleSoft Upgrade**

Department: Corporate Support Services
Capital Priority Rating: 2 - 3
Project: 3455000011
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012 **	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)		1,500	1,000	200	-	-	-	1,200	2,700
Financed by:									
Cash to Capital		1,500	1,000	200				1,200	2,700

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,500	1,000	200	-	-	-	-	2,700
Financed by:								
Cash to Capital	1,500	1,000	200					2,700

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	48	180	267
SURPLUS/(DEFICIT)	(48)	(180)	(267)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City is committed to renewing its PeopleSoft investment every four years to take advantage of new functionality and remain current with supplier's support.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **311 Renewal**

Department: Corporate Support Services
Capital Priority Rating: 2 - 2
Project: 3457000013
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	300	646	729	335	2,010	2,010
Financed by:									
Cash to Capital				300	646	729	335	2,010	2,010

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	300	646	729	335	-	2,010
Financed by:								
Cash to Capital			300	646	729	335		2,010

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			9
SURPLUS/(DEFICIT)	-	-	(9)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City is committed to renewing its Call Center application investment every five years to take advantage of new functionality and remain current with supplier's support. The City is expected to significantly change the customer relationship management and telephone software applications in 2014 - 2015.

Project Name: **Asset Management Program**

Department: Corporate Support Services
Capital Priority Rating: 2 - 2
Project: 34XXXXXXXX
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	200	-	-	-	-	-	-	200
Financed by:									
Cash to Capital		200						-	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	-	-	-	-	-	200
Financed by:								
Cash to Capital	200							200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	18	19
SURPLUS/(DEFICIT)	(6)	(18)	(19)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

As noted in Recommendation #10 of the Report on Redesigning the City of Winnipeg's Internal Services accepted by the Senior Management Team July 14th, 2010, the City is planning to move forward with a standard tool to record and manage its information technology assets. Capital expenditures that provide long lasting benefit to the City would include software, hardware, conversion effort from existing multi source systems, and a temporary secondment or consulting efforts.

The City's implementation of a Computer Work Management System for the Communication Systems Branch by leveraging the City's existing investment in Maximo, will provide a more efficient and accurate tool to help manage the complex inventory of telecommunication components and work orders from various city departments including Winnipeg Police Service.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Assessment Automation**

Department: Assessment & Taxation
Project: 1400000111

Capital Priority Rating: 3 - 3
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	500	-	-	750	500	1,750	1,750
Financed by:									
Cash to Capital			500			750	500	1,750	1,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	750	500	-	1,750
Financed by:								
Cash to Capital		500			750	500		1,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			48
SURPLUS/(DEFICIT)	-	-	(48)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Assessment Automation project generally includes initiatives focused on improving the efficiency and the effectiveness of the assessment and taxation functions through the appropriate use of automation. Funding in 2012 is to complete the NeoCAMA project for the upgrade of our core valuation system (CAMA or Computer-Aided Mass Appraisal). The CAMA system is used to capture and maintain detailed sales, financial, and physical characteristic information about all properties and businesses in the City of Winnipeg. The information is used to calculate fair and equitable assessed values for all properties and businesses. These assessed values are then used to calculate the yearly municipal, school and business taxes, as well as tax adjustments throughout the year.

The funding in 2015-16 is for further system upgrades and rehabilitation to the Manta system and other key assessment and taxation systems including electronic document and record management, quality systems, acquisition of property images including high resolution aerial images, and integration of PADIView with other key applications. The Manta system includes the tax billing information and accounts receivable for all properties in the City of Winnipeg. This system is integral to the annual tax billing process and is used in all taxation processes including realty and business tax billings, accounts receivable, Tax Instalment Payment Plan, Local Improvements, Tax Sale, and customer service. The Manta program is now eleven years old in 2010. It is prudent to budget funding in future years to review the sustainability of the current system and prepare for replacement/rehabilitation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Capital Investment Fund**

Department: Corporate
Project: 1200000111

Capital Priority Rating: 3 - 2
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	7,899	-	150	-	-	-	150	8,049
Financed by:									
Cash to Capital		7,899		150				150	8,049

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	7,899	-	150	-	-	-	-	8,049
Financed by:								
Cash to Capital	7,899		150					8,049

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funding to support various projects and initiatives including those delivered under alternative delivery methods, including the design, build, finance, maintain approach.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Asset Management Initiative**

Department: Corporate Finance
Project: 120000xx12

Capital Priority Rating: 3 - 1
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	100	-	-	-	-	100	100
Financed by:									
Cash to Capital			100					100	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	100	-	-	-	-	-	100
Financed by:								
Cash to Capital		100						100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			10
SURPLUS/(DEFICIT)	-	-	(10)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Asset Management Program will ensure departments are following leading practices in asset management. The benefits include freeing up limited capital budget funds and shifting funds to highest priority areas based on life cycle costing, risk and triple bottom line approaches.

Project Name: **Fare Collection System**

Department: Transit
Project: 4230001409

Capital Priority Rating: 3 - 4
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	12,870	2,370	-	-	-	-	-	-	2,370
Financed by:									
Cash to Capital	3,601	4,639						-	4,639
Manitoba Winnipeg Infrastructure Program (MWIP)	6,769	231						-	231
Interim Financing (Repayment)	2,500	(2,500)						-	(2,500)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,370	-	-	-	-	-	-	2,370
Financed by:								
Cash to Capital	4,639							4,639
Manitoba Winnipeg Infrastructure Program (MWIP)	231							231
Interim Financing (Repayment)	(2,500)							(2,500)

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	66		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		421	438
SURPLUS/(DEFICIT)	66	(421)	(438)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing fare collection system is many decades old and limits flexibility in the type of fares that can be offered to passengers. A review has been conducted on the best options suited for the City's public transit system. This capital project will authorize capital investments that may include replacing existing fareboxes with automatic validating electronic fareboxes equipped with integrated electronic fare card readers. This type of farebox would collect, secure, reliably count and report all fare payments. The electronic fare card reader will allow more extensive use of prepaid fares and provide a better defense against potential counterfeiting of passes, tickets and the misuse of transfers.

Estimated useful life - Twenty years.

Project Name: **Innovative Transit Program**

Department: Transit
Project: 423000xxyy

Capital Priority Rating: 3 - 2
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	800	800	800	800	1,000	4,200	4,200
Financed by:									
Cash to Capital			800	800	800	800	1,000	4,200	4,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	800	800	800	800	1,000	-	4,200
Financed by:								
Cash to Capital		800	800	800	800	1,000		4,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		24	24
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			114
SURPLUS/(DEFICIT)	-	24	(90)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Innovative Transit Program provides for various projects which are not normally funded through the operating budget or other areas of the capital budget. Various projects such as transit terminals at shopping centres, passenger shelters, improved waiting amenities at major bus stops, park and ride lots, bus priority measures, handi-transit trip confirmation system, automated transit scheduling system, and the Winnipeg Transit internet site provide an enduring benefit to the department and have been funded under this program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Transit Building Replacement / Refurbishment**

Department: Transit
Project: 4210000310
Capital Priority Rating: 3 - 2
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,980	7,293	9,409	10,700	11,569	2,940	4,171	38,789	46,082
Financed by:									
Cash to Capital	(2,900)	1,413	2,929	4,820	5,689			13,438	14,851
Manitoba Winnipeg Infrastructure Program (MWIP)	3,000							-	-
Federal Gas Tax	5,880	5,880	6,480	5,880	5,880	2,940	4,171	25,351	31,231

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	12,812	3,890	10,700	11,569	2,940	3,696	475	46,082
Financed by:								
Cash to Capital	4,342		4,820	5,689				14,851
Federal Gas Tax	8,470	3,890	5,880	5,880	2,940	3,696	475	31,231

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	187		96
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		394	410
SURPLUS/(DEFICIT)	187	(394)	(314)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Transit's operations are housed out of two primary facilities, the Fort Rouge complex and the North Main garage. These facilities are approximately 40 and 80 years old respectively and are operating at close to their effective capacities. A study of the Transit's facility requirements completed in 2009 indicates that these existing facilities will not support the fleet and operations necessary to meet increasing service demands in the near and long term. The department funds the maintenance of its facilities through the operating budget. However, many of the structural, mechanical and electrical systems in the existing facilities are past their design and economic lives and significant capital funding is required to bring the facilities up to acceptable standards.

This multi-year capital project will address both the issues of refurbishing and/or replacing the existing facilities to address age and condition issues and adding and/or expanding facilities to meet space requirements in the near and long term. In addition to garage facilities, this may include consolidation of off-site operational groups to the campus through the renovation of existing space or the construction and/or procurement of new areas.

Estimated useful life - Dependent on the specific projects approved.

Project Name: **Transit Buses**

Department: Transit
Project: 421000xxyy

Capital Priority Rating: 3 - 4
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012 **	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	18,350	14,500	16,585	16,900	18,547	23,850	90,382	108,732
Financed by:									
Cash to Capital		882	421	5,279	5,594	4,301	10,835	26,430	27,312
Transit Bus Replacement Reserve		9,036	8,196	7,466	7,466	7,466	7,466	38,060	47,096
Rapid Transit Infrastructure Reserve		4,242						-	4,242
Provincial Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	19,200	23,040
Federal Gas Tax						2,940	1,709	4,649	4,649
Retained earnings		350	2,043					2,043	2,393

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	18,350	14,500	16,585	16,900	18,547	23,850	108,732
Financed by:								
Cash to Capital		882	421	5,279	5,594	4,301	10,835	27,312
Transit Bus Replacement Reserve		9,036	8,196	7,466	7,466	7,466	7,466	47,096
Rapid Transit Infrastructure Reserve		4,242						4,242
Provincial Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	23,040
Federal Gas Tax						2,940	1,709	4,649
Retained earnings		350	2,043					2,393

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		116	108
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			80
SURPLUS/(DEFICIT)	-	116	28

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is for the ongoing purchase of new low-floor urban transit buses and for the replacement of buses that have reached the end of their useful life.

Estimated useful life - 18 years

Note: Any surplus funds will automatically be transferred to the following year's Transit Buses program budget.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Asset Management Program**

Department: Transit
Project: 420000xxyy
Capital Priority Rating: 3 -1
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	300	-	-	-	-	300	400
Financed by:									
Cash to Capital			200					200	200
Retained earnings		100	100					100	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	300	-	-	-	-	-	400
Financed by:								
Cash to Capital		200						200
Retained earnings	100	100						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	1	7	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			28
SURPLUS/(DEFICIT)	1	7	(28)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The asset management program in the Transit department is part of the city-wide initiative to improve how assets are managed. Specific initiatives will involve defining our asset level of service, asset business processes, and a risk and prioritization framework. The funding provides for the initial consulting costs of the project as well as the initial purchase of an asset management information system.

Project Name: **Stormwater Retention Basin Rehabilitation**

Department: Water and Waste
Project: 20750001yy

Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	200	-	400	-	400	-	800	1,000
Financed by:									
Cash to Capital		200		400		400		800	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	400	-	400	-	-	1,000
Financed by:								
Cash to Capital	200		400		400			1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	18	31
SURPLUS/(DEFICIT)	(6)	(18)	(31)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an annual program of carrying out repairs or improvements to shorelines and facilities of existing stormwater retention basins including, but not limited to, rock revetment, gate chambers and piping, fountains, and maintenance equipment launching ramps. Rehabilitation and/or upgrading of the retention basins will reduce annual maintenance problems and improve safety.

There are currently 93 stormwater retention basins under the City's jurisdiction. At the current level of funding and depending on the level of work required, 2 to 4 basins are rehabilitated every two years. As the basins age, they will require a higher level of maintenance, and thus future funding levels and prioritization of work will have to be reviewed in order to continue this program of asset preservation.

The expected life of this asset is 25 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Flood Pumping Station Rehabilitation**

Department: Water and Waste
Project: 20765001yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
Financed by:									
Cash to Capital		1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	1,000	1,000	1,000	1,000	-	6,000
Financed by:								
Cash to Capital	1,000	1,000	1,000	1,000	1,000	1,000		6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	30	123	218
SURPLUS/(DEFICIT)	(30)	(123)	(218)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In a 2007 report on the adequacy and operation of the 34 regional flood pumping stations, it is estimated that $22.7 million in upgrades will be required. Near-term expenditures (i.e., next 10 years) have been estimated at $14.5 million, and long term (next 11-50 years) are identified to cost $8.2 million. These upgrades improve overall station reliability during high river levels and rainfall events. Funding for this project also includes an annual program for carrying out major repairs, upgrades and/or improvements to the flood pumping stations, and associated outfall pipes and gates. Upgrades and/or improvements include changes to: ventilation, electrical, mechanical, structural, and architectural components. All stations will be upgraded for remote monitoring which is critical during flood and rainfall events.

Formerly, under the 1990 "Clean and Beautiful Winnipeg" initiative, several flood pumping stations had been identified for aesthetic improvements.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage and Combined Sewers Outfall Gate Structures**

Department: Water and Waste
Project: 20785002yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	12,150	1,350	-	1,100	-	1,500	1,500	4,100	5,450
Financed by:									
Cash to Capital		1,350		1,100		1,500	1,500	4,100	5,450

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,350	-	1,100	-	1,500	1,500	-	5,450
Financed by:								
Cash to Capital	1,350		1,100		1,500	1,500		5,450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	41	122	158
SURPLUS/(DEFICIT)	(41)	(122)	(158)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is a project to install flap gates and positive sliding gates within concrete gate structures on outfall sewers where these facilities do not currently exist or the existing facilities are inadequate or substandard. Under high river level (flood) conditions, the river water backs up into the land drainage and combined sewer systems. In some low lying areas there is a potential for river water to inundate roadways and adjacent properties. The presence of river water in the sewer also greatly reduces the capacity of the system during a rainfall or snow melt event. Subsequent to the 1997 flood event, 70 outfall locations were identified as requiring gates.

To date 39 locations have been addressed, leaving 31 locations yet to be completed.

The expected life of this asset is 50 years.

Project Name: **Floodplain Management**

Department: Water and Waste
Project: 20700004yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,223	100	200	-	100	-	100	400	500
Financed by:									
Cash to Capital		100	200		100		100	400	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	200	-	100	-	100	-	500
Financed by:								
Cash to Capital	100	200		100		100		500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	3	16	28
SURPLUS/(DEFICIT)	(3)	(16)	(28)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project will investigate and implement programs, policies and legislation to:

1) Protect and ensure permanency of current and future secondary dike installation;
2) Prevent construction of new structures interfering with secondary dikes and within unprotected areas subjected to frequent high river levels;
3) Purchase and remove existing structures from the floodplain; and
4) Investigate a process and develop guidelines to control or prevent improvements/re-developments at unprotected private properties with potential acquisition of such high risk properties starting in 2007.

In April 2007, Council approved a program to raise the level of flood protection for low-lying properties below 20 ft James Avenue where it could be demonstrated the cost of providing sandbags exceeded the cost of a permanent flood works. In this program, the level of flood protection would be raised to 22.5 ft James Avenue and thereby avoid the need to sandbag for most floods. If all eligible properties participate, the cost of this program could be $880,000 and the City could avoid the sandbagging cost of approximately $2,000,000. Up until July 2010, 14 properties have been flood protected under this program.

The implementation of such programs could take place over a minimum of 5 to 10 years at a cost of $10 million.

Project Name: **Seine River Waterway Acquisition**

Department: Water and Waste
Project: 20800001yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,049	150	150	150	150	150	150	750	900
Financed by:									
Cash to Capital		150	150	150	150	150	150	750	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	150	150	150	150	150	150	-	900
Financed by:								
Cash to Capital	150	150	150	150	150	150		900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		18	33
SURPLUS/(DEFICIT)	-	(18)	(33)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The purchase of Seine River Waterway lands is a Council adopted policy to provide long term economical regional drainage and to manage the floodplain. The floodplain lands were originally delineated in 1980 and are required to accommodate flow along the Seine River from a 100-year summer storm. They are typically purchased at the time of subdivision, made possible from funds collected through the Seine River Waterway Charge applied to all subdivision and rezoning applications within the Seine River watershed within City limits. Development of lands adjacent to the Seine River will occur faster than the development of lands further from the Seine River. Therefore, the funding required to purchase floodplain lands will exceed the funding collected from the Waterway Charge.

Project Name: **Primary Dike Upgrading**

Department: Water and Waste
Project: 20700014yy
Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	727	1,348	1,890	300	948	900	1,000	5,038	6,386
Financed by:									
Cash to Capital		1,348	1,890	300	948	900	1,000	5,038	6,386

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,348	1,890	300	948	900	1,000	-	6,386
Financed by:								
Cash to Capital	1,348	1,890	300	948	900	1,000		6,386

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		183	311
SURPLUS/(DEFICIT)	-	(183)	(311)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 1997 flood identified that in the south-end of the City the primary dikes were too low due to higher flows on the upstream portion of the Red River, and in the north-end of the City the dikes were too low due to backwater effects from the Floodway. In 1997 these deficiencies were addressed by constructing temporary clay dikes. The current level of proposed funding will begin to address these areas.

To provide 1 in 700 year flood protection, the level proposed with the Floodway Expansion will require a further raise of the City's primary dike system to deal with additional backwater effects from the expanded Floodway. The estimated cost to undertake this additional work is in the range of $400 million (2009 dollars) and represents the cost for raises to the primary dikes and associated bank stability improvements. The recently released Clean Environment Commission (CEC) report on the Floodway Expansion made a "non-licensing" recommendation that the City complete permanent raising of their primary dikes by 2015 and that all levels of government work cooperatively on the financing of these improvements.

There are a number of major drains that flow through the primary dike system. In 1997, Baldry Creek (Fort Richmond) and Beaujolais Coulee (St Norbert) had to be coffer dammed off to isolate these systems from the Red River. Water and Waste Department has been working with Public Works on a culvert replacement project on the Beaujolais Coulee on Pembina Hwy which would involve adding a gate chamber to their project. The gate chamber and fixed tractor-driven pumps are estimated to cost $3.2 million.. This work would be scheduled to be done in 2012.

Until permanent works are completed, the City will rely on temporary raises to its primary dikes on an as-required basis.

Project Name: **Land Drainage Safety Upgrading Program**

Department: Water and Waste
Project: 20700013yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	640	-	100	-	100	-	-	200	200
Financed by:									
Cash to Capital			100		100			200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	100	-	100	-	-	-	200
Financed by:								
Cash to Capital		100		100				200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		3	10
SURPLUS/(DEFICIT)	-	(3)	(10)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The purpose of this program is to reconstruct or upgrade miscellaneous components of the existing land drainage system to conform with the City of Winnipeg Drainage Safety Guidelines. Specific projects have been identified and prioritized as part of the Open Channel Drainage Inventory and Safety Review Study.

The expected life of the assets is 75 years.

Project Name: **Land Drainage Asset Management Strategy**

Department: Water and Waste
Project: 20700016yy

Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	200	-	-	-	200	200
Financed by:									
Cash to Capital				200				200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	200	-	-	-	-	200
Financed by:								
Cash to Capital			200					200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			7
SURPLUS/(DEFICIT)	-	-	(7)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Asset management principles are being utilized for various sections in the Water and Waste Department. An asset management strategy is required to define goals, objectives, and strategies for the development and maintenance of a consistent and effective asset management program involving all functions of the land drainage service. The asset management strategy will identify, prioritize, and establish the future direction of condition assessments, establish deterioration/life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements.

Project Name: **Land Drainage Utility Study and Implementation**

Department: Water and Waste
Project: 20700016yy
Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital				500				500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital			500					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			16
SURPLUS/(DEFICIT)	-	-	(16)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funding is required to study the feasibility of implementing a new Land Drainage Utility. The capital budget established in 2006 has been canceled and re-budgeted for 2013.

Project Name: **Permanent Flood Pumping Stations**

Department: Water and Waste
Project: 20700023yy
Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	250	-	-	-	-	250	250
Financed by:									
Cash to Capital			250					250	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	250	-	-	-	-	-	250
Financed by:								
Cash to Capital		250						250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		5	5
Debt and finance charges increase		8	24
SURPLUS/(DEFICIT)	-	(13)	(29)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

During high water events, the City places temporary pumps to dewater the sewer system during rainfall/snowmelt events. These temporary pumps require continuous monitoring during a high water event.

This program will involve replacing some of the temporary pump locations that need to be placed every year with permanent submersible pumps. Costs include modifications to site, pumps and cost of providing appropriate power at site.

The expected life of the assets is 50 years.

Project Name: **Flood Manual Upgrades**

Department: Water and Waste
Project: 20700013yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	900	500	-	1,400	1,400
Financed by:									
Cash to Capital					900	500		1,400	1,400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	900	500	-	-	1,400
Financed by:								
Cash to Capital				900	500			1,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg's Geographic Information System based Flood Manual was developed in the 2000 to 2003 timeframe and has proven invaluable in fighting a number of floods since then. The upper bound of the Flood Manual calculations is a water level comparable to 1997 flood or 24.5 ft James Avenue. Based on the current Floodway Operating Rules, levels in the City could exceed 24.5 ft James Avenue for floods slightly larger than a 1 in 100 year flood.

Preliminary analysis indicates that the Flood Manual should be extended to calculate flood activities up to 27.0 ft James Avenue. The City will consult with the Manitoba Water Stewardship on an appropriate upper bound. The second upgrade is to upgrade the old VB6 software that runs the Flood Manual. This needs to be done as VB6 software is no longer supported.

Project Name: **Land Drainage Supervisory Control and Data Acquisition (SCADA) System**

Department: Water and Waste
Project: 20700024yy
Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	100	100	100	-	-	300	400
Financed by:									
Cash to Capital		100	100	100	100			300	400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	100	100	100	-	-	-	400
Financed by:								
Cash to Capital	100	100	100	100				400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	25	25	25
Debt and finance charges increase	3	12	22
SURPLUS/(DEFICIT)	(28)	(37)	(47)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City currently has continuous water level monitoring from 8 gauges on the Red and Assiniboine Rivers. During flood or significant rainfall events surveyors are sent out to monitor water levels at other key river sites and on critical stormwater retention basins throughout the City.

Installation of a monitoring system allows for monitoring of water levels during a flood event and post-event assessments of the performance of the lake sites. A total of 14 sites have been identified. The first phase of the program is to develop installation concepts and cost estimates for each of the sites, and the second phase will be installation of gauges based on overall priority.

Project Name: **Outfall Rehabilitation**

Department: Water and Waste
Project: 20780001yy
Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,550	1,750	1,300	1,200	1,200	1,508	6,958	8,508
Financed by:									
Cash to Capital		1,550	1,750	1,300	1,200	1,200	1,508	6,958	8,508

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,550	1,750	1,300	1,200	1,200	1,508	-	8,508
Financed by:								
Cash to Capital	1,550	1,750	1,300	1,200	1,200	1,508		8,508

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	47	197	349
SURPLUS/(DEFICIT)	(47)	(197)	(349)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funding is for rehabilitation of sewer outfalls, repair to piping, and correction of riverbank instability. A condition assessment was completed in 1998 to provide a prioritization of repairs for outfalls throughout the City. Outfall repairs will focus on the outfalls that require most immediate attention, some of which experienced damage from the high river elevations and ice flows experienced during the 1996 and 1997 floods. Originally 55 high-priority sites were identified requiring attention. Since then, 5 more sites have been added for a total of 60 sites.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Combined Sewer Flood Relief**

Department: Water and Waste
Project: 20710001yy

Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	4,000	11,000	10,000	10,000	10,000	45,000	45,000
Financed by:									
Sewer System Rehabilitation Reserve			4,000	11,000	10,000	10,000	10,000	45,000	45,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	4,000	11,000	10,000	10,000	10,000	-	45,000
Financed by:								
Sewer System Rehabilitation Reserve		4,000	11,000	10,000	10,000	10,000		45,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program, which was approved by Council on October 21, 1987, provides for basement flood relief to combined sewered areas. Funds will be used for the planning, design, and construction of sewer relief works. Also, a portion of the funds will be used for sewer flow and meteorological monitoring in advance of design as well as public communication and education on basement flood protection.

There are 42 combined sewer districts in Winnipeg. Currently, 28 combined sewer districts have been relieved. At present, 2 combined sewer districts are being relieved, another 2 are being considered for partial separation and an additional district will be studied for future relief. Planning for the relief work is also coordinated with the upcoming Combined Sewer Overflow program and the Sewer Rehabilitation program. The cost for the remainder of the program is $246 million and at current funding rates will require over 20 years to complete. The benefit to cost ratio of the outstanding work is 3.8 to 1; meaning for every dollar spent on sewer relief works, $3.8 dollars are saved in reduced flood damages.

The expected life of this asset is over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Flood Relief Sewers - Separate**

Department: Water and Waste
Project: 20720001yy

Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	300	300	300	300	300	300	1,500	1,800
Financed by:									
Sewer System Rehabilitation Reserve		300	300	300	300	300	300	1,500	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	300	300	300	300	300	-	1,800
Financed by:								
Sewer System Rehabilitation Reserve	300	300	300	300	300	300		1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Basement flooding has become an issue in some separate sewered areas as in combined sewered areas. A parallel relief sewer program in separate areas is necessary. Prior to any works proceeding, a planning study will be undertaken to identify City-wide priorities, as well as allow for sewer flow and meteorological monitoring in advance of a conceptual and detailed design.

The expected life of this asset is over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Development Agreement Paybacks**

Department: Water and Waste
Project: 20770001yy

Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	500	500	500	500	500	2,500	2,500
Financed by:									
Developer Capacity Charges			500	500	500	500	500	2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	500	500	500	500	-	2,500
Financed by:								
Developer Capacity Charges		500	500	500	500	500		2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The provision for development agreement payback is an allowance for the City to repay developers who bridge finance the installation of oversized land drainage services at a time when City capital funding is not provided. The policy guideline for bridge financing was defined in the previous version of the Development Agreement Parameters and was again incorporated in the most recent version of the Parameters which was adopted by Council on June 21, 1989.

Funds budgeted will provide the following paybacks:

2012 DASZ 30/05 - Bridgewood Estates Inc./Perfanick	500,000
2013 DASZ 10/10 - North Grassie Properties/Starlight Village	500,000
2014 DASZ 1/06 - MHRC/Waverley West	500,000
2015 DASZ 14/94 - Genstar/Prairie Crossing	500,000
2016 DASZ 56/85 - Inksbrook Industrial Park	500,000

The expected life of this asset is over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fernbank Avenue Land Drainage Sewer**

Department: Water and Waste
Project: 20820001yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

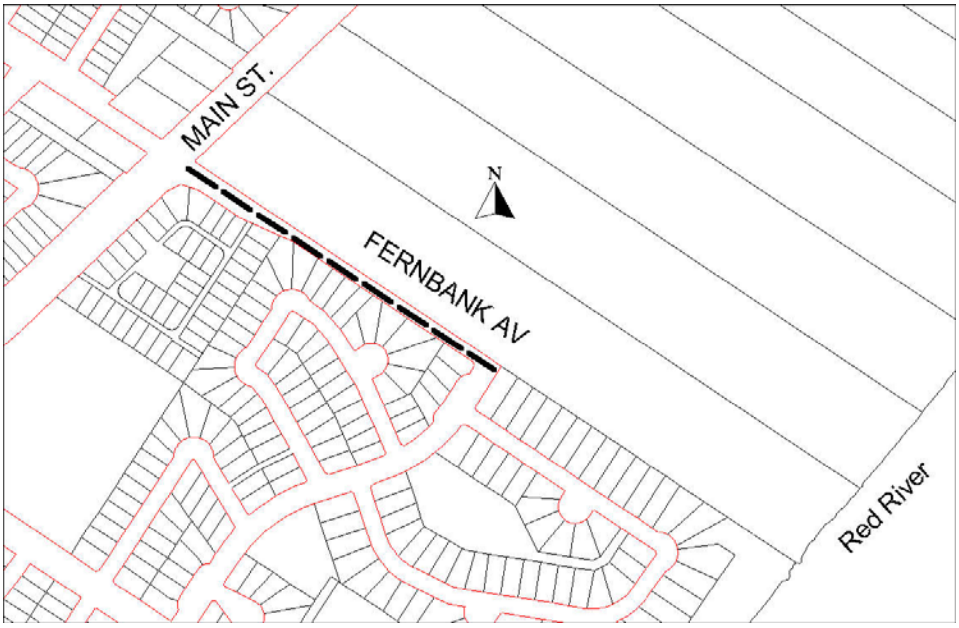
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	875	-	-	-	875	875
Financed by:									
Developer Capacity Charges				875				875	875

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	875	-	-	-	-	875
Financed by:								
Developer Capacity Charges			875					875

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes construction of a 1,350 mm diameter land drainage sewer on Fernbank Avenue from approximately 65 metres west of Main Street to Rivergrove Drive. The sewer will provide a permanent outlet for the Riverbend Subdivision retention basin and an outlet for the undeveloped lands west of the CPR Winnipeg Beach Subdivision rail line. These lands include the Public Works Department's snow dump site north of Fernbank Avenue. The expected life of this asset is 75 years.



Project Name: **Saskatchewan Avenue Watermain**

Department: Water and Waste - Waterworks System
Project: 20135001yy

Capital Priority Rating: 5 - 3
Service: Water

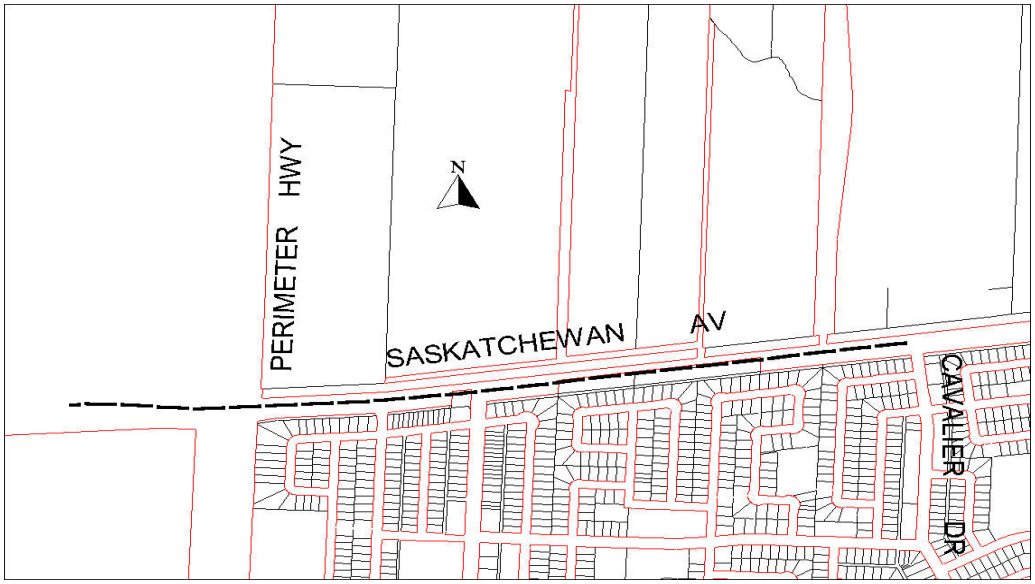
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	3,900	-	-	-	3,900	3,900
Financed by:									
Retained Earnings				3,900				3,900	3,900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	3,900	-	-	-	-	3,900
Financed by:								
Retained Earnings			3,900					3,900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Urban development of the lands within the City and west of the Perimeter Highway (PTH 101) will require an extension of the water distribution system to provide a looped supply. The funds included are to provide for a watermain between Cavalier Drive and a point 500 metres west of PTH 101 on Saskatchewan Avenue. It is expected that watermains required within the development lands to complete the loop will be oversized by developers. The expected life of this asset is over 50 years.



Project Name: **Water Supervisory Control and Data Acquisition (SCADA) Upgrade**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20050002yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,800	2,900	-	-	-	-	2,900	4,700
Financed by:									
Retained Earnings		1,800	2,900					2,900	4,700

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,800	2,900	-	-	-	-	-	4,700
Financed by:								
Retained Earnings	1,800	2,900						4,700

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	15	15	15
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(15)	(15)	(15)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Supervisory Control and Data Acquisition (SCADA) system controls and monitors the operation of the Drinking Water Treatment Plant and the Regional Water Supply and Distribution System. The automated control system is comprised of specialized computer hardware and software, remote communications, instrumentation, and Programmable Logic Controls (PLC). A SCADA system assessment and upgrading are required to ensure timely replacement of dated hardware and software. The SCADA system is essential for the supply, water treatment process control and distribution of drinking water.

The PLCs currently in use at the three regional pumping stations (McPhillips, MacLean, and Hurst), Tache and Deacon Booster Pumping Stations, and Shoal Lake Intake were installed in 1992 and will no longer be serviced or supported by the manufacturer as of December 31, 2011. Upgrading the water supply system's PLCs at this time will allow for the review of the control software to optimize the operation of the system.

Concurrent with the PLC replacement, the controller logic language will be updated along with additional electrical upgrades to enhance operational reliability.

The expected life of this asset is 10 years but will depend on the technical advancement in the process automation field.

Project Name: **Shoal Lake Intake Chloramination Facility**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20120003yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	300	-	2,000	-	-	-	-	2,000	2,000
Financed by:									
Retained Earnings			2,000					2,000	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,000	-	-	-	-	-	2,000
Financed by:								
Retained Earnings		2,000						2,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The first phase of the project will be a study to review alternate forms of treatment and/or disinfection for the Shoal Lake Aqueduct and distribution system to meet the operational, public health, and safety goals. Presently, chlorine is used at the intake for disinfection, slime control in the aqueduct and zebra mussel control. This results in high levels of disinfection by-products being formed. The water treatment plant must be operational prior to replacing the strong disinfection advantages of chlorine. The Water Treatment Project Risk Management process identified viable alternatives to gas chlorine to reduce risk. Given the consequences associated with security, transportation, and containment of gas chlorine, an alternative form of chlorination will be investigated.

The expected life of this asset is 25 years.

Project Name: **General Water Infrastructure Rehabilitation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20010026yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	300	300	500	500	1,000	2,600	2,600
Financed by:									
Retained Earnings			300	300	500	500	1,000	2,600	2,600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	300	300	500	500	1,000	-	2,600
Financed by:								
Retained Earnings		300	300	500	500	1,000		2,600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Many components in the water supply and distribution systems have been in service for many years and are reaching the end of their functional lives. These components are critical elements of the infrastructure and their failure would result in disruption of service and costly emergency repairs. This project will address the need to rehabilitate the water supply and distribution systems, in order to maintain the water system reliability and conformance with current building codes and health regulations. This will be an on-going project with additional funding being included in future years.

The scope of work will be varied and will be prioritized based on the urgency and cost effectiveness identified through condition assessment studies, available rehabilitation techniques, and research into innovative rehabilitation measures. Infrastructure to be assessed and rehabilitated under this project includes, but is not limited to, reservoirs, pumping stations, feedermains, valves, electrical and mechanical systems, control systems, chemical systems, related building structures, and security.

Life expectancy will vary with each asset, however, a range of 10 to 50 years is expected.

Project Name: **Waverley West Feedermain**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 3
Project: 20040009yy
Service: Water

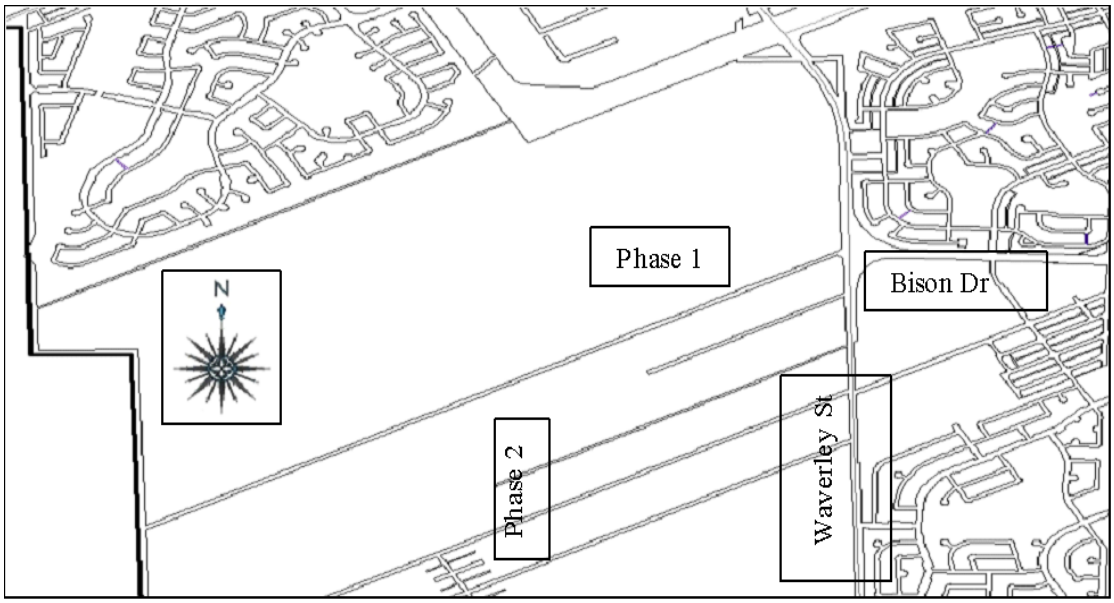
AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,400	-	-	6,800	-	-	-	6,800	6,800
Financed by:									
Retained Earnings				6,800				6,800	6,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	6,800	-	-	-	-	6,800
Financed by:								
Retained Earnings			6,800					6,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Urban development of the lands within the City west of Waverley Street, north and south of Cadboro Road will require an extension of the existing feedermain system to provide water service and fire protection to developments in this area. The funds included are for Phase 2 of the feedermain extension. Phase 2 will continue south down the proposed Kenaston Blvd extension. The expected life of the asset is over 50 years.



Project Name: **Feedermain Condition Assessment and Rehabilitation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 3

Project: 20040007yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	300	500	500	500	1,000	1,000	1,000	4,000	4,500
Financed by:									
Retained Earnings		500	500	500	1,000	1,000	1,000	4,000	4,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	1,000	1,000	1,000	-	4,500
Financed by:								
Retained Earnings	500	500	500	1,000	1,000	1,000		4,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The feedermains are specialized pipes which are unique in size, materials, construction techniques, and failure. The majority of feedermains were installed in the 1960's and require inspection, testing, and maintenance to preserve the asset. Future funds will be identified as part of the first phase of this project.

The expected life of this asset is 50 years.

Project Name: **Water Utility Asset Management Strategy**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 2

Project: 20010006yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	240	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Asset management principles are being utilized for various projects in the water utility. However, development of an asset management strategy is required to define goals, objectives, and strategies for the development and maintenance of a consistent and effective asset management program involving all functions of the water utility. The asset management strategy will identify, prioritize, and establish the future direction of condition assessments, establish deterioration/life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements.

Project Name: **Water Supply Valve Installation / Replacement Program**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 201400xxyy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,038	750	750	750	750	750	750	3,750	4,500
Financed by:									
Retained Earnings		750	750	750	750	750	750	3,750	4,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	750	750	750	750	750	750	-	4,500
Financed by:								
Retained Earnings	750	750	750	750	750	750		4,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The water supply valves are critical elements used to control the distribution of water from the source through the feedermain pipes. The scope of the work will vary with site-specific conditions. This program will include installation of valves and piping at new or existing locations to improve service reliability and reduce environmental risk. The program will also include replacement of valves, operators, Supervisory Control and Data Acquisition (SCADA) control equipment, related pipe connections, valve chambers, structural assessments, and restoration works. This is an ongoing program with additional funding being included in future years.

Life expectancy will vary between 20 and 50 years.

Project Name: **Hurst Pumping Station Building - Structural Repairs**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20050007yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	900	-	-	-	-	-	-	900
Financed by:									
Retained Earnings		900						-	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	900	-	-	-	-	-	-	900
Financed by:								
Retained Earnings	900							900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

There are structural defects noted on the precast concrete panels at the Hurst Pumping Station. Noted defects include deterioration of the copings (exposing reinforcing steel), cracked panels, deterioration of ribs on the panels, and the deterioration of the caulking joints in several locations. These conditions may lead to water penetration into the building envelope. A structural review of these conditions is required to determine rehabilitation or replacement costs. The capital budget established in 2006 has been canceled and re-budgeted for 2010 and 2011.

The expected life of the asset is 50 years.

Project Name: **Chlorination Decommission at Regional Pump Stations**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20050011yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	115	-	-	-	-	115	115
Financed by:									
Retained Earnings			115					115	115

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	115	-	-	-	-	-	115
Financed by:								
Retained Earnings		115						115

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing chlorine disinfection facilities within the three Regional Pumping facilities will be studied to determine if they can be decommissioned now that the new drinking water treatment plant has been successfully commissioned. The proposed works at McPhillips, Hurst, and MacLean pump stations may include the removal of gas chlorine and the decommissioning of the related chlorination systems.

Project Name: **Deacon Chemical Feed Facility Upgrading**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20025002yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	400	1,000	-	-	-	-	-	-	1,000
Financed by:									
Retained Earnings		1,000						-	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	-	-	-	-	-	-	1,000
Financed by:								
Retained Earnings	1,000							1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Chemical Feed Building contains chemical storage and injection equipment to treat the City's drinking water with fluoride and orthophosphate. Prior to upgrading the orthophosphate treatment equipment, an engineering study will be performed to review the need for orthophosphate and alternate chemicals to orthophosphate taking into consideration the enhanced water quality from the new drinking water treatment plant. Given the corrosive nature of such chemicals, the chemical pumps, piping, and related monitoring and control equipment will require upgrading and replacement by 2011.

Prior to upgrading the fluoride feed system an engineering study will be carried out to access the flexibility of the fluoride feed system to meet future target dose rates.

The expected life of this asset is 20 years.

Project Name: **Regional Pumping Stations Structural Upgrades**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20050012yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Retained Earnings			500					500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Retained Earnings		500						500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The McPhillips, Hurst, and MacLean pumping stations provide the final pumping to deliver water to the Water Utility customers. The pump stations were constructed in the early 1960's. It is anticipated that the building structures will require upgrading to ensure the uninterrupted operation of these pumping facilities. A preliminary assessment will be conducted in 2012 with future funding requirements to be identified in the report.

The expected life of these assets is 50 years.

Project Name: **Wilkes Reservoir "B" Pit Upgrades/Rehabilitation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20110002yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	600	-	-	-	-	-	-	600
Financed by:									
Retained Earnings		600						-	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	600	-	-	-	-	-	-	600
Financed by:								
Retained Earnings	600							600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Wilkes Reservoir "B" Pit, constructed in the early 1960's, is one of two critical inlet control structures for controlling the flow of water into the Wilkes Reservoir. The "B" pit improvement works will address the employee safety requirements, egress requirements, valve replacement, structural/foundation repairs, electrical upgrades, and improve the site/groundwater drainage.

The project name has changed from Safety Upgrades - Wilkes Reservoir "B" Pit to Wilkes Reservoir "B" Pit Upgrades/Rehabilitation to align with the scope of work required.

The expected life of this asset is 50 years.

Project Name: **Regional Pumping Stations Reliability Upgrades**

Department: Water and Waste - Waterworks System
Project: 20050003yy
Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	1,000	1,000	1,000	-	-	3,000	4,000
Financed by:									
Retained Earnings		1,000	1,000	1,000	1,000			3,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	1,000	1,000	-	-	-	4,000
Financed by:								
Retained Earnings	1,000	1,000	1,000	1,000				4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The electrical power supply is the primary source of energy to drive the pumps in the drinking water pump stations. Electrical power disruptions have caused the electric pumps to shut down, for protection purposes, which results in reduced water service. A Water Pumping Station Power Reliability Study was completed and recommended a number of electrical and control improvements to reduce the effects of electrical power disruptions. The recommended improvements will be completed in phases according to priority.

The expected life of this asset is 20 years.

Project Name: **Waterworks System Security Upgrades**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 2

Project: 20010015yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,700	850	500	500	500	500	150	2,150	3,000
Financed by:									
Retained Earnings		850	500	500	500	500	150	2,150	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	850	500	500	500	500	150	-	3,000
Financed by:								
Retained Earnings	850	500	500	500	500	150		3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	15	15	15
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(15)	(15)	(15)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The waterworks system is made up of complex infrastructure that delivers water from Shoal Lake to Winnipeg homes and businesses. Operating the waterworks system is subject to legislation including the Drinking Water Safety Act, Public Health Act, Operator Certification Regulations, Workplace Safety and Health Act, and Environment Act. Safeguarding our infrastructure from accidental or intentional damage or destruction is critical to drinking water quality and public health. Funding is required for increased security measures to adequately protect the waterworks system.

Project Name: **Regulatory Assessment of Water System Infrastructure and Water Supply Sources**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 2
Project: 20010007yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014**	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	750	-	-	-	610	-	-	610	610
Financed by:									
Retained Earnings					610			610	610

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	610	-	-	-	610
Financed by:								
Retained Earnings				610				610

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A drinking water system Infrastructure Assessment study is required under the Provincial Drinking Water Safety Act. The objective of the report is to carry out an onsite evaluation to identify, analyze, and mitigate any potential adverse health risks and environmental impacts associated with the water system in a "source to tap" methodology. This work will also determine whether the water system's source, facilities, equipment, and operations are effective in producing safe drinking water, and meet the regulations in force.

Infrastructure assessment reports are required on a 5-year reporting frequency.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Shoal Lake Aqueduct Asset Preservation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 3

Project: 20030006yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,388	700	1,300	-	-	1,000	1,000	3,300	4,000
Financed by:									
Retained Earnings		700	1,300			1,000	1,000	3,300	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	700	1,300	-	-	1,000	1,000	-	4,000
Financed by:								
Retained Earnings	700	1,300			1,000	1,000		4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Shoal Lake Aqueduct, which has been in continuous service since 1919, delivers water to Winnipeg from Shoal Lake, a distance of 156 kilometres (97 miles). A comprehensive condition and rehabilitation of the Aqueduct commenced in 1988 and was substantially completed in 2004. While the Aqueduct rehabilitation project has resulted in an increase of the Aqueduct's service life by 50 years, on-going monitoring and inspection programs will identify future works.

Works which have been identified include the rehabilitation of drainage siphons crossing the Aqueduct, replacement of corroded boathouse access doors and broken Aqueduct vent pipes, re-establishment of a boathouse in proximity of the Whitemouth River and condition inspection and cleaning of the Aqueduct underdrain.

During the rehabilitation of the Aqueduct, an inventory of specialized and costly inspection and maintenance equipment was assembled which will continue to be utilized in the ongoing inspection and maintenance of the Aqueduct. This equipment requires a dedicated and secure storage facility to ensure its functionality and availability.

The expected life of this asset is 50 years.

Project Name: **Aqueduct Bridging Structure at Deacon**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20060004yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	600	-	-	-	-	-	-	600
Financed by:									
Retained Earnings		600						-	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	600	-	-	-	-	-	-	600
Financed by:								
Retained Earnings	600							600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Greater Winnipeg Water District (GWWD) rail line crosses the Shoal Lake Aqueduct at the Deacon Reservoir site. A buried timber bridging structure was constructed, as part of the original construction work, to protect the aqueduct from the rail traffic loading. An engineering assessment of the bridging structure and aqueduct have been performed and recommended that the bridging structure be replaced as the current structure has failed and no longer offers the required protection to the aqueduct.

The expected life of this asset is 50 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Deacon Reservoir Cell Rehabilitation Project**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20110001yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	800	1,400	750	-	-	-	-	750	2,150
Financed by:									
Retained Earnings		1,400	750					750	2,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,400	750	-	-	-	-	-	2,150
Financed by:								
Retained Earnings	1,400	750						2,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Reservoir cells were constructed of clay material between 1972 and 1996 and rise approximately six metres above the natural prairie. The cells have a total storage volume of 8,400 megalitres which is sufficient to supply the City of Winnipeg with water for 28 days. The cells are used to supplement the water supply when the daily water demand exceeds the capacity of the Shoal Lake Aqueduct. The cells also provide a water supply to the City when the Shoal Lake Aqueduct is annually shut down for inspection and maintenance.

There are two precast concrete box culvert pipes that cross under PTH 207 which convey water from Cell No. 2 into Cell No. 1. The box culvert joints have a history of leaking and a number of joint repair methods have been undertaken in the past with minimal success. The joint leakage is a safety issue during the winter months as the water will flood the ditches and roadway. Also this leakage over a long period of time could compromise the stability of the cell dikes in proximity of the box culvert pipes. Both box culvert pipes will be repaired by installing a structural liner.

On top of the cell dikes exists a three metre wide road which is used for inspection, maintenance, water sampling and security purposes. The total length of the cell roads is 9.5 kilometres. Over time the roads have developed a number of localized failures from water accumulation which requires repair before the roads become impassable and the cell dikes start to soften thereby increasing the risk for a catastrophic dike failure. The road rehabilitation will include excavation, recompaction of the clay dike, regrading the dike crown and placement of road gravel.

There is a significant growth of vegetation (shrubs and trees) growing on the top of the cell dikes between the edge of the road and the granite rip-rap protecting the inner slopes of the cell dikes. There is also some growth within the rip-rap. A similar growth was removed approximately 15 years ago. The removal of the vegetation is required because the roots could compromise the dike integrity and the foliage will interfere with the security system monitoring cameras and its decay will cause water quality issues. Removal of the vegetation will be labour intensive because of its proximity to the water and the rip-rap.

The expected life of this asset is 50 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Deacon Booster Pumping Station Suction Header Divider Valve**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20050009yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	1,200	-	-	-	-	-	-	1,200
Financed by:									
Retained Earnings		1,200						-	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,200	-	-	-	-	-	-	1,200
Financed by:								
Retained Earnings	1,200							1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Booster Pumping Station suction header pipe has been identified as a single point of potential failure for the supply of treated water to the City. The work will include the installation of a valve in the mid point on the suction header to effectively divide the suction header. This will permit a continuous supply of water to the City in the event a leak occurs on this suction header.

The expected life of this asset is 50 years.

Project Name: **Foundation Drainage Improvements for Deacon Booster Pumping Station**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2
Project: 20050010yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	250	-	-	-	-	-	-	250
Financed by:									
Retained Earnings		250						-	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	250	-	-	-	-	-	-	250
Financed by:								
Retained Earnings	250							250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

As part of a risk management assessment, the Deacon Booster Pumping Station foundation drainage system was identified as high risk due to internal flooding from excessive foundation water. The pump floor is approximately nine meters below grade. With the construction of the new water treatment plant, the Deacon Booster Pumping Station must be operated continuously to deliver drinking water to the City of Winnipeg. The foundation drainage improvement and potential automation of valves to control the flow of water will reduce the risk of flooding the electrical pumps.

The expected life of this asset is over 50 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Water Works By-law 504/73 Revision**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20010024yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	175	-	-	-	-	-	-	175
Financed by:									
Retained Earnings		175						-	175

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	175	-	-	-	-	-	-	175
Financed by:								
Retained Earnings	175							175

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water Works By-law No. 504/73 relates to the Water Works Utility, the fixing of water rates and the billing and collection thereof. This by-law was originally passed by Council November 7, 1973. Each year amendments are passed to reflect the new water and sewer rates. The structure and language in the by-law has become dated. Amendments have occurred to clarify terms, liability or cross connection control provisions based on the original by-law structure. The Water Works By-law will be written taking into account a review of the by-laws in other jurisdictions, plain language format and better alignment with current operation policies.

The expected life of this asset is 25 years.

** Supported by class 3 estimate, see Appendix #2.

Project Name: **Environmental Services Laboratory Facility Upgrading - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2
Project: 20010022yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	150	110	-	-	-	-	-	-	110
Financed by:									
Retained Earnings		110						-	110

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	110	-	-	-	-	-	-	110
Financed by:								
Retained Earnings	110							110

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Environmental Standards Division Laboratory is an ISO accredited (for analytical and calibration laboratories, ISO 17025) laboratory located at the North End Water Pollution Control Centre (NEWPCC). The existing laboratory space is insufficient with the addition of new staff to conduct laboratory work for the new water treatment plant and the additional wastewater systems. There is a storage room at the NEWPCC of approximately 49 m^2 (530 ft^2) that is available to be upgraded/converted to laboratory space.

The upgrade of this space includes a new heating, ventilating and air conditioning (HVAC) system to control air quality, new workstations and bench space and a new sample reception/preparation area. The cost identified also includes removal of the old duct work and other existing devices, upgrade to existing plumbing and new installation of new laboratory fume hoods, odour control canopies and incubators.

The expected life for this facility is approximately 20 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Deacon Site Flood Protection**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20025005yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Retained Earnings			500					500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	300	200	-	-	-	-	500
Financed by:								
Retained Earnings		300	200					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon site ditch drainage system has experienced overland flooding in the past due to high water levels in the drain discharging into the floodway during the 1997 flood. With the expanded floodway and the increased water levels additional flood protection measures must be installed to protect the new Water Treatment Plant and related onsite buildings.

The expected life of this asset is over 50 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Tache Booster Pumping Station**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20050006yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	3,000	1,800	-	-	5,300	5,300
Financed by:									
Retained Earnings			500	3,000	1,800			5,300	5,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	3,000	1,800	-	-	-	5,300
Financed by:								
Retained Earnings		500	3,000	1,800				5,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Tache Booster Pumping Station on the Branch 1 Aqueduct was constructed in 1950 in order to develop the full capacity of the aqueduct. A study identified a number of required upgrading to the pumping station and the aqueduct surge tower adjacent to the station. The work includes replacing the pump motors, upgrading the station electrical, heating and ventilation systems, upgrading the foundation and roof structures, and a reconfiguration of the valving and piping between the pumping station and the surge tower. Also, aesthetic, fencing and landscaping upgrades to the site and facilities will be undertaken to coincide and assimilate with the proposed residential redevelopment of the surround area.

The capital budget established in 2006 has been cancelled and re-budgeted for 2012 to 2014.

The expected life of this rehabilitation asset is 50 years.

Project Name: **Water Treatment Research and Process Optimization Facility**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20025006yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	650	-	-	-	-	650	750
Financed by:									
Retained Earnings		100	650					650	750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	650	-	-	-	-	-	750
Financed by:								
Retained Earnings	100	650						750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The water treatment research and process optimization facility will be constructed to facilitate ongoing water treatment research and optimization of the existing water treatment process. This will be a small scale model replicating the water treatment process.

As new chemicals become available or existing chemicals become unavailable or existing chemical prices rise such that they become cost prohibitive; alternative chemicals can be pilot tested in this facility to ensure the water quality will meet the regulatory license requirements. In the future as drinking water quality regulations become more stringent new water treatment processes can be studied and validated on the water supply prior to committing to a large capital expansion to the water treatment plant. Other benefits are: filter media and absorption evaluations, operator training and education, and testing of emerging treatment technologies that become cost effective. The water treatment plant has space dedicated for this facility.

The expected life of this asset is 25 years.

Project Name: **Branch Aqueduct Condition Assessment and Rehabilitation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20030005yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	500	1,000	-	-	2,000	2,000
Financed by:									
Retained Earnings			500	500	1,000			2,000	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	500	1,000	-	-	-	2,000
Financed by:								
Retained Earnings		500	500	1,000				2,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Branch I, II and Interconnection aqueducts are specialized pipes which are unique in size, materials, construction techniques and failure.

The Branch I aqueduct was installed in 1918 and has an established inspection and maintenance program, however, the Branch II and interconnection aqueducts were installed between 1959 and 1963 and will require specialized inspection, testing, and maintenance to preserve the asset.

The expected life of this asset is 50 years.

Project Name: **Water Services Division Operations Accreditation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20010005yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Retained Earnings				500				500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	-	-	-	500
Financed by:								
Retained Earnings			500					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water Services Division has a strategic goal to become certified under an ISO or similar certification program to enhance customer service and manage risk. Additional benefits of becoming certified are: improved cost effectiveness, environmental compliance, reduced hazard liabilities and promotion of best management practices. The Utility has the opportunity to demonstrate to their customers a commitment to environmentally safe processes, regulatory compliance, and environmental stewardship.

The expected life of this asset is 20 years.

Project Name: **Water Treatment Plant Upgrading**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 200250xxyy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	10,000	10,000	10,000
Financed by:									
Retained Earnings							10,000	10,000	10,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	1,000	9,000	10,000
Financed by:								
Retained Earnings						1,000	9,000	10,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The drinking water treatment plant is the single source of treated water for the City of Winnipeg. The water treatment processes are made up of pumps, valves, piping, custom designed mechanical components, compressors, blowers, chemical handling and metering equipment, electronic measurement and control equipment, switch gears, variable speed drives, transformers and related equipment. Due to the corrosive properties of the chemicals and acids, the mechanical equipment will have to be rebuilt or replaced to ensure the provision of treated water for the City of Winnipeg.

The expected life of this asset is 5 to 20 years.

Project Name: **Ultraviolet Light Disinfection Upgrade/Rehabilitation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4

Project: 20025004yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	4,000	4,000	4,000
Financed by:									
Retained Earnings							4,000	4,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	4,000	-	4,000
Financed by:								
Retained Earnings						4,000		4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The ultraviolet light disinfection system is an integral pathogen barrier in the drinking water treatment process. The process treats the water by emitting ultraviolet light into the water. There is a significant amount of rejection heat generated by the electrical and mechanical systems which degrade the equipment. Typically the ballasts, transformers, bulbs, quartz sleeves and mechanical wiper systems all must be serviced and replaced at regular intervals to maintain the reliable operation of this treatment system.

The expected life of this asset is 5 to 20 years.

Project Name: **Water Service Line Asset Management and Rehabilitation Strategy**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20010023yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	500	550	550	2,100	2,100
Financed by:									
Retained Earnings				500	500	550	550	2,100	2,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	500	550	550	-	2,100
Financed by:								
Retained Earnings			500	500	550	550		2,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Several issues related to the failure of residential water service lines within City right-of-ways have been identified. The issues identified include the freezing of water services during extreme cold weather, the premature failure of polybutylene water services and the failure of older lead water services resulting in the temporary loss of water service to the customer.

The program will include the review and replacement of problem water services.

The expected life of this asset is 75 years.

Project Name: **Aqueduct Information Management System**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 4

Project: 20030010yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013**	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	200	-	-	-	200	200
Financed by:									
Retained Earnings				200				200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	200	-	-	-	-	200
Financed by:								
Retained Earnings			200					200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Aqueduct Information Management System is an electronic data base of Shoal Lake Aqueduct related information developed as part of the Shoal Lake Aqueduct Rehabilitation Program. The current system is at the end of its useful life. In order to preserve the data base a new system is to be developed.

The expected life of this asset is 10 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **McPhillips Reservoir Slope Stabilization**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2

Project: 20110003yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	120	-	-	-	120	120
Financed by:									
Retained Earnings				120				120	120

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	120	-	-	-	-	120
Financed by:								
Retained Earnings			120					120

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The west cell of the McPhillips reservoir parallels the back lane along Gallagher Avenue. A portion of the existing earthen side slope of the reservoir cell has failed. Geotechnical analysis and remediation works are required to correct the slope failure to prevent earth from the slope from encroaching on the back lane.

The expected life of this asset is 50 years.

Project Name: **Public Water Outlets**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 3

Project: 20010017yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	-	-	500	500
Financed by:									
Retained Earnings					500			500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	500	-	-	-	500
Financed by:								
Retained Earnings				500				500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

There are three public drinking water outlets in the City providing truck filling services for contractors or homeowners hauling water. Funds are required to perform an assessment of water sales, a review of the public water outlet locations, safety upgrades, and rehabilitation or decommissioning works. In some locations structural and mechanical repairs are required to maintain this service. Future funds may be required following the recommendations of the study.

Life expectancy will vary between 20 and 50 years.

Project Name: **Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 2
Project: 20100002yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,680	-	-	-	-	-	-	1,680
Financed by:									
Retained Earnings		1,680						-	1,680

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,680	-	-	-	-	-	-	1,680
Financed by:								
Retained Earnings	1,680							1,680

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations project includes implementing functionality of the Oracle Customer Care and Billing (CCB) system. Some components include upgrading the cashiering system to interface with a new payment processing system and capturing image and documentation of customer bill payments. The enhanced CCB will provide the avenue for increased customer service regarding bill and payment opportunities and functionality.

The project will prepare CCB for interfacing to the other primary department systems, such as Geographic Information System (GIS), so that an integral view of customer, work and asset information is available for better decision making. This will provide for more efficient routing for meter reading and maintenance, work routes for field crews and customer notification on water and sewer issues.

The CISS Project included $10 million (split between the Waterworks System Fund and the Sewage Disposal System Fund) for replacing the legacy mainframe system with the new web based CCB system. In order to mitigate risk and ensure a successful project, only the base system functionality was first implemented.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Meter Infrastructure Program**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 1

Project: 20010025yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	355	2,520	-	-	-	-	2,520	2,875
Financed by:									
Retained Earnings		355	2,520					2,520	2,875

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	355	2,520	-	-	-	-	-	2,875
Financed by:								
Retained Earnings	355	2,520						2,875

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The project includes two segments: (1) 2011 - The development of a Business Case that will drive the selection and implementation plans for the metering technology, and (2) the completion of a 12-month testing period (2012-2013) followed by an assessment period. The business case will identify costs associated with water meters with encoder registers, meter interface units (radio frequency devices that communicate meter information to data collector units), data collector units, meter data management system (hardware/software) and meter installation service. Full system implementation is planned over a minimum of a three year period (2014 - 2016). Costs for advanced metering technology are estimated to be up to $75 million.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Customer Service Upgrade to Telephony Communications System**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 3

Project: 20100005yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
Retained Earnings		100						-	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
Retained Earnings	100							100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

An upgrade is required to the telephony system used for the Water Bill Inquiry Line (986-2455), which was originally purchased in 1997. This upgrade will provide enhanced functionality for the Water Bill Inquiry Line, including skills-based routing, enhanced reporting and statistics, scheduling optimization, and enhanced monitoring, recording and coaching capacity. It will ensure that the Water and Waste Department can more effectively use its resources to provide quality customer service in a more reliable environment.

The Department plans to upgrade to the same system currently being used by the 311 Contact Centre and the Handi-Transit Contact Centre to optimize resources, as 24/7 system support has already been established within the organization, and a training and back-up facility is already located at 510 Main Street. Although the new system will be more robust and effective, it is expected that annual operating expenses will remain the same as those currently being incurred.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by class 1 estimate, see Appendix # 2.

Project Name: **Watermain Renewals**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 2

Project: 20130001yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	13,500	14,000	15,000	16,000	17,000	17,000	79,000	92,500
Financed by:									
Watermain Renewal Reserve		13,500	14,000	15,000	16,000	17,000	17,000	79,000	92,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	13,500	14,000	15,000	16,000	17,000	17,000	-	92,500
Financed by:								
Watermain Renewal Reserve	13,500	14,000	15,000	16,000	17,000	17,000		92,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is a continuing program to replace and/or rehabilitate deteriorating watermain infrastructure. Funding is used for watermain replacement, cathodic protection, valve and hydrant replacement/rehabilitation, correction of dead end mains, upgrading of substandard mains, watermain studies, assessments, and hydraulic improvements for fire protection purposes. Additional funding has been added to the program due to the escalation in construction costs and an increase in the number of watermains requiring replacement/rehabilitation. The expected remaining life of each rehabilitated watermain ranges from 20 to 80 years, depending on the rehabilitation technology and the asset condition.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Lift Stations Upgrading**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 20350001yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	2,000	2,000	750	750	750	750	5,000	7,000
Financed by:									
Retained Earnings		2,000	2,000	750	750	750	750	5,000	7,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,000	2,000	750	750	750	750	-	7,000
Financed by:								
Retained Earnings	2,000	2,000	750	750	750	750		7,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is part of a continuing program for mitigating hydraulic, structural, safety, odour, aesthetic problems, and capacity assessments as required for the 95 lift stations and associated forcemains, gate chambers, and related works in the sewage collection system. For maximum effectiveness the program must be on a planned and continuous basis.

The program will include a condition assessment of all lift stations to establish future funding requirements.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Inflow / Infiltration / Cross-Connection Study and Mitigation**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 3 - 3
Project: 20410001yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,793	-	-	500	500	3,000	-	4,000	4,000
Financed by:									
Retained Earnings				500	500	3,000		4,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	500	1,500	1,500	-	4,000
Financed by:								
Retained Earnings			500	500	1,500	1,500		4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project involves locating and identifying sources of extraneous inflow and infiltration (I&I) entering the wastewater sewer system, and implementing mitigative measures to reduce the I&I such that wet weather flows to wastewater treatment plants are minimized, basement flood protection is improved during high river levels and emergency discharges are minimized.

Extraneous inflows from groundwater, snowmelt, and rainfall events place an additional stress on the wastewater treatment plants that can result in reduced life expectancy of equipment and/or accelerate the need for wastewater treatment plant expansion. Minimizing extraneous inflows will reduce these additional stresses, prolong equipment life, and postpone facility expansion. Areas of the City will also be identified where land drainage sewer system cross-connections may exist with the wastewater sewer system that can be significant sources of I&I under high river levels or wet weather.

In addition to this, as of 1990, new homes are required to have sump pumps and pits to collect foundation drainage and then discharge this clean water onto the home owners land. The intent was to remove this large source of extraneous flow from reaching the wastewater treatment plants. It has been found, however, that some home owners have illegally connected sump pumps to their wastewater sewer service. Areas where large sources of extraneous I&I are suspected will be investigated. Appropriate technical measures including public education and communication will be initiated to rectify this situation.

The expected life of this asset is 50 years.

Project Name: **Sewer System Isolation in Areas Protected by Secondary Dikes**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 3 - 3

Project: 20300002yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	1,000	1,000	-	-	-	2,000	2,500
Financed by:									
Retained Earnings		500	1,000	1,000				2,000	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	1,000	1,000	-	-	-	-	2,500
Financed by:								
Retained Earnings	500	1,000	1,000					2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project involves isolating the sewer system in areas protected by secondary dikes from the remainder of the sewer system behind the primary dikes. This will involve one of three types of work for different locations:

1. Installation of gate valves on the house sewer connection;
2. Installation of sump pits and pumps and backwater valves in each property; or,
3. Installation of parallel sewer mains in streets.

The purpose of installing these works is to prevent complete flooding of a sewer district behind a primary dike should a secondary dike breach occur and flood the properties between the secondary and primary dikes.

The expected life of this asset is 50 years.

Project Name: **Raw Sewage Pump Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 2031xx10yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	6,150	5,450	-	-	9,300	-	-	9,300	14,750
Financed by:									
Retained Earnings		5,450			9,300			9,300	14,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	5,450	-	-	9,300	-	-	-	14,750
Financed by:								
Retained Earnings	5,450			9,300				14,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Raw sewage pumping is an essential operation at the NEWPCC. The largest and oldest raw sewage pumps at the NEWPCC (pumps labeled as MP2, MP3, MP4 and MP6) were installed in 1965 and are each rated at 700 horsepower with a pumping capacity of 188 megalitres per day (ML/d). While these pumps have been maintained in good condition, repairs are becoming more difficult to complete. Parts are difficult to obtain and may have to be custom fabricated. The variable speed drives on pumps MP2 and MP4 are considered obsolete. Variable speed drives allow for more efficient pumping to pace the flows received at the NEWPCC.

Funding through to 2011 will be for: conceptual design pertaining to replacement of all six raw sewage pumps; functional and detailed design, contract administration, and additional services pertaining to immediate replacement of pumps MP4 and MP5; and a supply and installation contract for two variable speed pump/motor/drive assemblies and associated equipment and services for pumps MP4 and MP5.

Funding in 2014 will be for engineering and supply and delivery contracts for pumps MP2, MP3 and MP6.

The scope and cost for these upgrades will be reviewed and updated as engineering proceeds through the design and implementation phases.

The expected life of the pumps is 25 years. The expected life of the HVAC and Electrical systems is 15 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Upgrading External Power Supply - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 2031xx23yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	5,000	4,000	-	-	15,000	24,000	25,000
Financed by:									
Retained Earnings		1,000	5,000	4,000			15,000	24,000	25,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	5,000	4,000	-	-	15,000	-	25,000
Financed by:								
Retained Earnings	1,000	5,000	4,000			15,000		25,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The NEWPCC currently has two separate electrical power supply lines which are both capable of powering the entire NEWPCC facility. In the event of a power failure to one supply, the plant will continue to operate on the other supply.

When any additional treatment processes are added to the plant, this redundant power supply will be not be capable of powering the plant independently due to the increase power load demands.

The biological nutrient reduction processes must be implemented by December 2014 and will increase the plant power requirement beyond the current capacity of either of the two supplies. In anticipation of nutrient removal at the NEWPCC the existing power supplies must be assessed and upgraded. The estimated cost of this upgrade is $10,000,000.

The NEWPCC also requires stand-by power generation to keep critical plant processes such as controls, ventilation and partial treatment operating during power interuptions. Funding has been added to 2016 for this installation.

The life expectancy of this asset is 50 years.

Project Name: **Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20340009yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	8,000	2,800	3,000	-	-	-	-	3,000	5,800
Financed by:									
Retained Earnings		2,800	3,000					3,000	5,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,800	3,000	-	-	-	-	-	5,800
Financed by:								
Retained Earnings	2,800	3,000						5,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The West End Water Pollution Control Centre (WEWPCC) accepted waste from septic haulers as a disposal facility at the Perimeter Road Pumping Station. The design consultants for the WEWPCC Biological Nutrient Removal facility have recommended that this practice be stopped. On December 1, 2005, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred with the recommendation. As of July 1, 2007, septage was no longer accepted at the WEWPCC and the septage receiving facility at the WEWPCC was closed. This project is to provide increased capacity at the other two facilities (North and South End Water Pollution Control Centres).

The name of this project has been revised from Septage Acceptance Facility - Wastewater Pollution Control Centres to Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres. The funding in 2008 and 2009 will be used to design and construct upgraded hauled liquid waste acceptance facilities at the North End Water Pollution Control Centres and include provisions for landfill leachate acceptance at the NEWPCC. Construction of this part of the project commenced in 2010.

Due to timing of design, tendering, construction and increased budget costs, the tendering and contruction of the South End Water Pollution Control Centre Hauled Liquid Waste Facility is anticipated to start in 2011.

To improve truck entry and exit security within the NEWPCC it is proposed to add an additional receiving/handling facility to the NEWPCC Hauled Liquid Waste Acceptance Facility in 2012 that will receive sludge from SEWPCC and WEWPCC. This facility will then maintain all truck traffic outside the secure fenced perimeter of the NEWPCC.

The expected life of the structures is 50 years, the expected life of electrical and mechanical components is 25 years, and the expected life for computer related systems is 10 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Re-Roofing at Water Pollution Control Centres**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 20300010yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	400	-	400	-	400	-	800	1,200
Financed by:									
Retained Earnings		400		400		400		800	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	-	400	-	400	-	-	1,200
Financed by:								
Retained Earnings	400		400		400			1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Various Water Pollution Control Centre buildings require re-roofing because the existing roofing has exceeded their functional life and are in need of frequent repair and servicing. Mechanical equipment and controls contained in these facilities require that the superstructures be adequately maintained to protect its components. Re-roofing in a timely and proactive manner will maximize the functional life of the facilities, protect the mechanical and control components contained in the facilities, and prevent structural damage to the facilities as a result of water leakage undergoing freeze-thaw cycles. The funding for this ongoing program includes engineering, design, and re-roofing construction.

The expected life of this asset is 30 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Centrifuge Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 2031xx24yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,500	8,000	-	-	-	9,500	9,500
Financed by:									
Retained Earnings			1,500	8,000				9,500	9,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	1,500	8,000	-	-	-	-	9,500
Financed by:								
Retained Earnings		1,500	8,000					9,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The centrifuge units de-water digested sludge produced as a residual of wastewater treatment processes. Sludge residuals from the South End and the West End Water Pollution Control Centres is processed at NEWPCC. There are 6 units that are subject to intense mechanical wear, have been in operation since 1990, and are failing with increasing frequency. For construction, operation, and maintenance reasons, these units must be identical to each other, and as such must be purchased over 2 years at maximum.

The life expectancy of this asset is 15 years.

Project Name: **River Crossings Monitoring and Rehabilitation**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4

Project: 20360007yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,300	1,300	1,300	1,300	1,300	1,300	6,500	7,800
Financed by:									
Retained Earnings		1,300	1,300	1,300	1,300	1,300	1,300	6,500	7,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,300	1,300	1,300	1,300	1,300	1,300	-	7,800
Financed by:								
Retained Earnings	1,300	1,300	1,300	1,300	1,300	1,300		7,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is for the rehabilitation and/or replacement of forcemain river crossings and for the installation of leak detection equipment on the existing waterway crossings.

The Department has completed a risk assessment of all river crossings in order to determine a prioritization plan to upgrade and replace any at risk river crossings as required by Environmental Licences issued by the Province of Manitoba for the wastewater collection system in the City of Winnipeg.

These funds will also be used to install continuous leak detection monitoring equipment at all river crossings as required by the Provincial Environmental License. The Department is currently undertaking a pilot program to evaluate and determine methods to meet this requirement.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Water Pollution Control Centre Reliability Upgrades**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4

Project: 20300005yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	19,358	-	-	5,000	5,000	5,000	5,000	20,000	20,000
Financed by:									
Retained Earnings				5,000	5,000	5,000	5,000	20,000	20,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	5,000	5,000	5,000	5,000	-	20,000
Financed by:								
Retained Earnings			5,000	5,000	5,000	5,000		20,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A risk and criticality assessment of the City's three water pollution control centres has been undertaken. The assessment outline required improvements to the existing systems to increase their reliability. The program will address the improvements which affect mechanical, electrical, and structural components at all three water pollution control centres.

The expected life of the structure upgrades is 50 years and the expected life of the electrical and mechanical components is 25 years.

Project Name: **Wastewater System Security Upgrades**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2

Project: 20300015yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	500	500	500	500	500	2,500	2,500
Financed by:									
Retained Earnings			500	500	500	500	500	2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	500	500	500	500	-	2,500
Financed by:								
Retained Earnings		500	500	500	500	500		2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		15	15
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	(15)	(15)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The wastewater system is made up of complex infrastructure of sewers and pumping stations that convey sewage from Winnipeg homes and businesses to one of three wastewater treatment plants.

Operating the wastewater system is subject to legislation including City By-Laws, the Public Health Act, Operator Certification Regulations, Workplace Safety and Health Act and the Environment Act.

Safeguarding our infrastructure from accidental or intentional damage or destruction is critical to protecting public health and safety, preserving the environment and ensuring economic stability.

Funding is required for increased security measures to adequately protect the wastewater system.

The scope and cost of these security measures are preliminary at this time and will be reviewed and updated through the audit (expected completion by the end of 2010), design and implementation phases.

Project Name: **Traffic Safety Upgrades - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 2031xx19yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	-	2,450	-	-	-	2,450	2,450
Financed by:									
Retained Earnings				2,450				2,450	2,450

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	2,450	-	-	-	-	2,450
Financed by:								
Retained Earnings			2,450					2,450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 1990 dewatering expansion at NEWPCC considered the need for traffic lights on Main street at the exit due to the increase in large truck traffic and the safety concerns associated therewith, but this did not proceed at that time. Since then, large truck traffic at NEWPCC has increased over time from 20 - 25 large trucks/day to upwards of 100-150, with considerable increases in large leachate and liquid sludge trucks, construction trucks, as well as septage trucks and delivery/staff and contractor vehicles associated with plant expansions which are currently underway (in addition to the 100 large trucks/day). Meanwhile, the Chief Peguis bridge and surrounding developments have resulted in large increases in vehicular traffic on Main Street.

Over time, construction traffic will be replaced and exceeded by more septage trucks due to the closing of a West End receiving facility, by chemical delivery trucks due to treatment processes under construction, and by sludge trucks due to expansions at the City's other plants now underway. A traffic expert consultant assignment is urgently required to assess and develop alternatives and consult with authorities and obtain any needed approvals, followed by construction works (traffic lights, ramps, roadways, R/R crossings, access, etc.) to alleviate traffic safety issues both with on-site traffic and ingress/egress at Main Street.

The expected life of this asset is over 50 years.

Project Name: **Holding Tanks Restoration - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 2031xx20yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	2,550	-	2,550	-	-	-	2,550	5,100
Financed by:									
Retained Earnings		2,550		2,550				2,550	5,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,550	-	2,550	-	-	-	-	5,100
Financed by:								
Retained Earnings	2,550		2,550					5,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The four original digesters at the NEWPCC, built in the mid 1930's, are now used as digested sludge holding tanks, and are essential to the operation of the digested sludge dewatering facility, which serves all three of the City's wastewater treatment plants. The interior concrete walls are subject to corrosive gases and the interior wall and ceiling have deteriorated to the point where reinforcing steel is exposed in some areas. Assessment by qualified experts has been carried out. The recommended rehabilitation includes surface preparation, application of a sealant and/or coating and installation of anodes to assure continued functionality of these tanks and avoid the expense of complete rebuilding.

The expected life of this asset is over 50 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Primary Clarifier Covers - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 2031xx08yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	25,000	-	25,500	25,500
Financed by:									
Retained Earnings				500		25,000		25,500	25,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	25,000	-	-	25,500
Financed by:								
Retained Earnings			500		25,000			25,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The three uncovered primary clarifiers at the NEWPCC have been identified as one of the remaining untreated odour sources at the site. The original Primary Clarifier Cover project, first introduced into the 1992 Capital Budget Estimates forecast was set up to implement a cover/ventilation system which would facilitate year round maintenance and operational flexibility and provide odour control capability. The project scope of work and the budget were expanded to include replacement of the clarifier sweep mechanisms which was completed in early 2010.

The work now required on the NEWPCC Clarifiers is composed of the design and installation of clarifier covers and their ancillary equipment. The budget originally established for work required for the Clarifier Covers was developed in 2003. Recent construction cost increases averaging 15% per year, a better understanding of the required work and changes to the National Building Code have resulted in a new estimated cost of $25,500,000.

The expected life of this asset is over 50 years.

Project Name: **Wastewater Utility Asset Management Strategy**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 20300006yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	400	-	-	200	-	-	-	200	200
Financed by:									
Retained Earnings				200				200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	200	-	-	-	-	200
Financed by:								
Retained Earnings			200					200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Asset management principles are being utilized for various projects in the wastewater utility. Development of an asset management strategy is required to define goals, objectives and strategies for the development and maintenance of a consistent and effective asset management program involving all functions of the wastewater utility. The asset management strategy will identify, prioritize and establish the future direction of condition assessments, establish deterioration / life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements.

The expected life of this asset is over 50 years.

Project Name: **New Discharge Chamber - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20310021yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	-	5,000	10,000	-	-	15,000	15,000
Financed by:									
Retained Earnings				5,000	10,000			15,000	15,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	5,000	10,000	-	-	-	15,000
Financed by:								
Retained Earnings			5,000	10,000				15,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The discharge chamber and related appurtenances were part of a major plant expansion in 1963. Due to age, wear, and the corrosive environment, extensive deterioration of this asset is evident. Funding in 2009 was for an engineering assessment on the condition and capacity of the discharge chamber and the conduit from the discharge chamber to the grit building. Funding in 2013 and 2014 will be for the design and construction of a second discharge chamber and will be dependent on the outcome of the condition assessment.

Estimates for rehabilitation of these chambers are preliminary at this time and will be revised as engineering assessment proceeds.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

Project Name: **New Surgewell - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20310009yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	-	4,000	9,000	-	-	-	13,000	13,000
Financed by:									
Retained Earnings			4,000	9,000				13,000	13,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	4,000	9,000	-	-	-	-	13,000
Financed by:								
Retained Earnings		4,000	9,000					13,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The surgewell and related appurtenances were part of the original plant construction in 1936. Due to age, wear, and the corrosive environment, extensive deterioration of this asset is evident. In addition to constructing a new surgewell, consideration will be given to upgrading the on-site interceptors and pump suction header system to improve control of raw sewage inflows and provide redundancy for the plant inflow systems.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

Project Name: **Grit Handling Upgrades - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20310002yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	2,400	4,900	6,600	-	5,000	18,900	18,900
Financed by:									
Retained Earnings			2,400	4,900	6,600		5,000	18,900	18,900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,400	4,900	6,600	-	5,000	-	18,900
Financed by:								
Retained Earnings		2,400	4,900	6,600		5,000		18,900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funds included are for the engineering and construction of a new grit collection and handling system in the Grit Removal building at the NEWPCC. Phase 1 of this project involved tank geometry and air flow system upgrades in 2008. Phases 2 and 3 will include supply and installation of a grit collection, removal and classification systems into the four grit tanks, and Phase 4 will include the replacement of the grit conveyor system.

The expected life of the structure is 50 years and the expected life of the electrical and mechanical components is 25 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 20350004yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	300	2,000	-	-	-	-	2,000	2,300
Financed by:									
Retained Earnings		300	2,000					2,000	2,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	2,000	-	-	-	-	-	2,300
Financed by:								
Retained Earnings	300	2,000						2,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing Cockburn combined sewer lift station is at its operating capacity. The proposed Bus Rapid Transit (BRT) and Fort Rouge Yards (FRY) Development will result in additional dry and wet weather flows to this station. To safely convey all dry weather flows to the wastewater treatment plants without risk of dry weather overflows, and maintaining sufficient wet weather flow capacity to protect against basement flooding, the station will require significant structural, mechanical and electrical upgrades.

The expected life of the structure is 50 years, and 25 years for the electrical and mechanical components.

Project Name: **Environmental Services Laboratory Facility Upgrading - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 3 - 2
Project: 20300022yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	150	110	-	-	-	-	-	-	110
Financed by:									
Retained Earnings		110						-	110

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	110	-	-	-	-	-	-	110
Financed by:								
Retained Earnings	110							110

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Environmental Standards Division Laboratory is an ISO accredited (for analytical and calibration laboratories, ISO 17025) laboratory located at the North End Water Pollution Control Centre (NEWPCC). The existing laboratory space is insufficient with the addition of new staff to conduct laboratory work for the new water treatment plant and the additional wastewater systems. There is a storage room at the NEWPCC of approximately 49 m^2 (530 ft^2) that is available to be upgraded/converted to laboratory space.

The upgrade of this space includes a new heating, ventilating and air conditioning (HVAC) system to control air quality, new workstations and bench space and a new sample reception/preparation area. The cost identified also includes removal of the old duct work and other existing devices, upgrade to existing plumbing and new installation of new laboratory fume hoods, odour control canopies and incubators.

The expected life for this facility is approximately 20 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Fernbank Interceptor**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2

Project: 20370011yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	8,000	8,000	8,000
Financed by:									
Retained Earnings							8,000	8,000	8,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	8,000	-	8,000
Financed by:								
Retained Earnings						8,000		8,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes construction of an interceptor sewer to service lands in future developments in the Northeast sector of the City of Winnipeg, west of the Riverbend Subdivision and east of McPhillips Avenue.

The expected life of this asset is 75 years.

Project Name: **Warde Interceptor Extension**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2

Project: 20370005yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	3,200	3,200	3,200
Financed by:									
Retained Earnings							3,200	3,200	3,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	3,200	-	3,200
Financed by:								
Retained Earnings						3,200		3,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes the construction of an interceptor sewer to service lands in future developments in the Southeast sector of the City of Winnipeg, east of the existing Royalwoods subdivision.

The expected life of this asset is 75 years.

Project Name: **Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 2040000211
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,680	-	-	-	-	-	-	1,680
Financed by:									
Retained Earnings		1,680						-	1,680

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,680	-	-	-	-	-	-	1,680
Financed by:								
Retained Earnings	1,680							1,680

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations Project includes implementing functionality of the Oracle Customer Care and Billing (CCB) system. Some components include upgrading the cashiering system to interface with a new payment processing system and capturing image and documentation of customer bill payments. The enhanced CCB will provide the avenue for increased customer service regarding bill and payment opportunities and functionality.

The project will prepare CCB for interfacing to the other primary department systems, such as Geographic Information System (GIS), so that an integral view of customer, work and asset information is available for better decision making. This will provide for more efficient routing for meter reading and maintenance, work routes for field crews and customer notification on water and sewer issues.

The CISS Project included $10 million (split between the Waterworks System Fund and the Sewage Disposal System Fund) for replacing the legacy mainframe system with the new web based CCB system. In order to mitigate risk and ensure a successful project, only the base system functionality was first implemented.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Sewer Service Line Asset Management and Rehabilitation Strategy**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4

Project: 20300023yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	500	550	1,550	1,550
Financed by:									
Retained Earnings					500	500	550	1,550	1,550

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	500	500	550	-	1,550
Financed by:								
Retained Earnings				500	500	550		1,550

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Currently under Schedule B of the Sewer By-Law the City bears the repair and/or replacement costs, under certain conditions for a private wastewater sewer service within the public right-of-way. Many wastewater sewer services are failing due to age and material properties.

The program will include the review and replacement of problem sewer services within the public right-of-way.

The expected life of this asset is approximately 75 years.

Project Name: **Digester Rehabilitation Project - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 20310025yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	5,000	1,000	1,000	1,000	1,000	-	4,000	9,000
Financed by:									
Retained Earnings		5,000	1,000	1,000	1,000	1,000		4,000	9,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	5,000	1,000	1,000	1,000	1,000	-	-	9,000
Financed by:								
Retained Earnings	5,000	1,000	1,000	1,000	1,000			9,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The NEWPCC has six anaerobic digesters, five of which are required for sludge treatment at maximum flows. In November 2009, Digester #11 suffered a process upset which resulted in damage to the roof structure and process equipment. The project scope will be defined in upcoming months and will include engineering analysis, roof repairs, piping system upgrades and process upgrades.

Upgrades to the remaining digesters will be implemented as quickly as possible to protect them from possible foaming problems to ensure their safe and reliable operation. Estimates are very preliminary at this time and will be refined as engineering assessments and designs proceed.

The life expectancy of the structure is 50 years. The life expectancy of the electrical and mechanical components is 20 years.

Project Name: **Distributed Control System (DCS) & Human Machine Interface (HMI) upgrades at Water Pollutions Control Centres (WPCCs)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 20400005yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012 **	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	3,000	1,000	1,000	-	-	-	2,000	5,000
Financed by:									
Retained Earnings		3,000	1,000	1,000				2,000	5,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	3,000	1,000	1,000	-	-	-	-	5,000
Financed by:								
Retained Earnings	3,000	1,000	1,000					5,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water and Waste Department's three Water Pollution Control Centres (WPCC) utilize an ABB Infi90 Distributed Control System (DCS) with an ABB Process Control View (PCV) Human Machine Interface (HMI). It is an intricate network of specialized computers that monitor thousands of sensors throughout the plants and controls the treatment processes by making calculations and adjustments prescribed by operators and process control analysts using the HMI. This hardware was purchased between 1998 and 2003.

PCV is an older software package that runs on an operating system which gives rise to significant hardware compatibility issues in the event of replacement of existing computers. Newer computers require newer software drivers, which are not available in the current versions of the software that the Department owns. It is therefore not feasible to simply replace the existing computers as new computers will not be compatible with the existing software.

The purpose of this project is to implement immediate upgrades to the WPCCs' DCS and HMI systems to ensure that they remain operational and viable.

The expected life of this asset is 15 years.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Grit Tank Refurbishment - South End Water Pollution Control Centre (SEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20320008yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	250	-	-	-	-	-	-	250
Financed by:									
Retained Earnings		250						-	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	250	-	-	-	-	-	-	250
Financed by:								
Retained Earnings	250							250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The grit removal system at the SEWPCC was part of the original plant construction in 1974. The mechanical portion of this system has reached the end of its functional life and needs to be replaced. The work of this project will require the replacement of the pipes, valves and controls of the aeration components in the grit tanks.

The expected life is 25 years.

Project Name: **Centralized Facilities Renovation**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 2 - 2
Project: 20300011yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	150	-	-	-	-	-	-	150
Financed by:									
Retained Earnings		150						-	150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	150	-	-	-	-	-	-	150
Financed by:								
Retained Earnings	150							150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water and Waste Department has identified organizational changes that will support the future expanded operations of both water and wastewater operations. The changes include transferring responsibility for local sewer services from the Water Services Division to the Wastewater Services Division which has been done.

Currently, the local water and sewer staff remain located in the same building. There may be significant efficiencies in amalgamating local sewer and regional sewer staff into one location and the establishment of mechanical, electrical and civil maintenance capability.

To identify the business case for this a facilities study will have to be undertaken. The recommendations from the study will then be implemented.

The life expectancy of this asset is 30 years.

Project Name: **552 Plinguet Wastewater Services Garage Structural Rehabilitation**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 3 - 2
Project: 20300014yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	400	-	-	-	-	-	-	400
Financed by:									
Retained Earnings		400						-	400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	-	-	-	-	-	-	400
Financed by:								
Retained Earnings	400							400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Wastewater Services garage building requires various building upgrades to the superstructure as the existing building has exceeded its functional life and is in need of repairs and servicing which may include improvements to the heating and ventilation system, electrical upgrades, insulation upgrades, etc. Equipment and materials contained in these facilities require that the superstructures be adequately maintained to protect its components.

Building upgrades in a timely and proactive manner will maximize the functional life of the facilities, protect the equipment and materials contained in the facilities, and prevent structural damage to the facilities as a result of water leakage undergoing freeze-thaw cycles. The funding for this program includes engineering, design, and re-roofing construction.

The expected life of this asset is 30 years.

Project Name: **Customer Service Upgrade to Telephony Communications System**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 3-3

Project: 20400005yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
Retained Earnings		100						-	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
Retained Earnings	100							100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

An upgrade is required to the telephony system used for the Water Bill Inquiry Line (986-2455), which was originally purchased in 1997. This upgrade will provide enhanced functionality for the Water Bill Inquiry Line, including skills-based routing, enhanced reporting and statistics, scheduling optimization, and enhanced monitoring, recording and coaching capacity. It will ensure that the Water and Waste Department can more effectively use its resources to provide quality customer service in a more reliable environment.

The Department plans to upgrade to the same system currently being used by the 311 Contact Centre and the Handi-Transit Contact Centre to optimize resources, as 24/7 system support has already been established within the organization, and a training and back-up facility is already located at 510 Main Street. Although the new system will be more robust and effective, it is expected that annual operating expenses will remain the same as those currently being incurred.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

* * Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Secondary Clarifier Refurbishment - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 20310003yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	300	300	300	-	-	900	1,000
Financed by:									
Retained Earnings		100	300	300	300			900	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	300	300	300	-	-	-	1,000
Financed by:								
Retained Earnings	100	300	300	300				1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The ten circular secondary clarifiers at the NEWPCC were constructed in 1963. Over the years the concrete launders, aluminum weir plates and the clarifier mechanism guide plates have required periodical maintenance to keep them functioning. At this time the concrete and metal parts of these components require more substantial repairs. This project will require an engineering assessment to establish the work program followed by a three-year repair program.

The expected life is 50 years.

Project Name: **Environmental Impact Statement and Public Hearings**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4

Project: 2034xx03yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,316	200	200	100	100	100	-	500	700
Financed by:									
Environmental Reserve		200	200	100	100	100		500	700

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	200	100	100	100	-	-	700
Financed by:								
Environmental Reserve	200	200	100	100	100			700

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upon completion of the 2003 regulatory hearings of the Clean Environment Commission (CEC), it has been recommended and the Province has adopted that further regulatory reviews be undertaken in two (2) years and then every three (3) years thereafter.

Ongoing works to satisfy regulatory requirements will require documentation, monitoring, and support to demonstrate that the successful implementation of projects relating to the CEC recommendations, required as a condition of tripartite funding, are meeting compliance conditions.

Budgeted funds are for environmental assessment related studies/reports, public participation, regulatory liaison, site-specific assessments, monitoring and analysis, and future representation at hearings expected to the 2015 horizon.

Project Name: **Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 20380001yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	32,068	4,100	16,200	17,200	16,200	16,200	17,200	83,000	87,100
Financed by:									
Environmental Reserve		4,100	16,200	17,200	16,200	16,200	17,200	83,000	87,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	4,100	16,200	17,200	16,200	16,200	17,200	-	87,100
Financed by:								
Environmental Reserve	4,100	16,200	17,200	16,200	16,200	17,200		87,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	260	610	710
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(260)	(610)	(710)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

It is the intent to create a multi-year combined sewer mitigation program that integrates with other major sewer programs, including:

- Basement flooding relief

- Sewer Condition Assessment and Condition Upgrading

- Pollution Control Centre Upgrading Programs

A Combined Sewer Overflow Master Implementation Plan will develop specific strategies for implementation that meet regulatory compliance. The plan will consider: 2003 CEC Hearings recommendations; Manitoba Conservation Guidance and Priorities; Canadian Council of Ministers on the Environment (CCME) Municipal Effluent Strategy Guidelines; consistency with prevailing international practice; understanding of benefits and costs; fiscal responsibility and environmental stewardship; initiation of near-term actions to reduce CSO's; and confirmation of long-range control program.

The Clean Environment Commission (CEC) has recommended that the City reduce the number of overflows to the local rivers within a 20 to 25 year timeframe.

Funds budgeted are for the development of a CSO Master Implementation plan, technical and economic analyses, program development, staging of mitigation works, annual monitoring programs, pilot studies, land acquisition, integration with other major sewer programs, overflow monitoring and reporting, and initiation and implementation of control measures, including SCADA (Supervisory Control and Data Acquisition).

As more CSO's are diverted to the wastewater treatment plants, additional treatment will need to be added to process the wet weather flows to meet effluent limits set in Environment Act Licences issued for each plant.

The expected life of the sewers is 50 years, mechanical components is 25 years and SCADA system is 10 years.

Project Name: **Biosolids - Alternative Disposal Delivery & Management System**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3

Project: 20310004yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	6,644	3,000	17,000	50,000	50,000	30,000	-	147,000	150,000
Financed by:									
Environmental Reserve		3,000	9,149	3,459	5,020	5,023		22,651	25,651
External Debt			7,851	46,541	44,980	24,977		124,349	124,349

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	3,000	17,000	50,000	50,000	30,000	-	-	150,000
Financed by:								
Environmental Reserve	3,000	9,149	3,459	5,020	5,023			25,651
External Debt		7,851	46,541	44,980	24,977			124,349

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg has reviewed its land application practices of biosolids relative to regulation requirements, emerging requirements associated with nutrient management regulations, changes to quantity and quality from upgraded wastewater treatment plants, and risk and criticality assessments done at all three plants. The City will have to implement an alternate biosolids management program as a result of the Provincial Nutrient Management Regulation.

The current WINGRO management program will need to be modified to satisfy the Regulation and will require significant capital investment and transition time to implement the required changes. A recently completed Biosolids Master Plan Study identified potential options, costs and timeframes to implement a new biosolids management program to comply with the Nutrient Management Regulations. Funds included are for engineering design and construction of an alternative to the existing WINGRO program.

The City of Winnipeg will be implementing an alternative project delivery method for the Nutrient Removal/Expansion project for the SEWPCC and NEWPCC, as well as an alternative Biosolids Management Program. As such, the Capital Budget needs and cash flow may need to be altered in the future, depending on how the projects are delivered.

The expected life of the facility is 50 years and the expected life of the mechanical components is 25 years.

Project Name: **Nutrient Removal - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 20310013yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	35,500	-	150,000	150,000	65,000	-	-	365,000	365,000
Financed by:									
External Debt			150,000	150,000	65,000			365,000	365,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	150,000	150,000	65,000	-	-	-	365,000
Financed by:								
External Debt		150,000	150,000	65,000				365,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upon completion of the 2003 Clean Environment Commission Regulatory Hearings regarding the review of the wastewater treatment plants, it was learned that nutrient control for all three Pollution Control Centres is a high priority for the Province of Manitoba. The main concerns relate to excess nutrients (nitrogen (N) and phosphorus (P)) introduced to Lake Winnipeg contributing to undesirable blooms of blue-green algae.

Environment Act Licences have been issued for all three plants requiring a final effluent with total P and N concentrations of about 1 mg/L and 15 mg/L, respectively. The upgrade requirements for ammonia and/or nutrient reduction at the wastewater treatment plants must be considered jointly. The implementation of a nutrient removal (NR) process will require a major plant expansion and double the size of the current facility. Due to the timing and magnitude of the costs, a portion of the project will need to be debt financed if it is to be implemented within the next ten years.

The impact of changes in sludge quantity and quality resulting from a NR process upgrades will have a large impact on solids handling and land applications. The addition of wet weather treatment processes associated with combined sewer overflow (CSO) control must be considered in the overall NR process design and operation effluent disinfection for wet weather.

The required funding is based on meeting expected effluent limits on a rolling 30 day average basis. These limits are contained in an Environment Act License issued for this facility. Funding is being requested to allow for completion of the plant expansion by December 2014. Additional funds may be required and will be identified in succeeding years capital budgets.

The current funding requirement is based on planning level assessments and are subject to a great deal of uncertainty. These funding requirements will be updated as engineering progresses.

The City of Winnipeg will be implementing an alternative project delivery method for the Nutrient Removal/Expansion project for the SEWPCC and NEWPCC, as well as an alternative Biosoilds Management Program. As such, the Capital Budget needs and cash flow may need to be altered in the future, depending on how the projects are delivered.

The expected life of the structures is 50 years, the expected life of electrical and mechanical components is 25 years, and the expected life for computer related systems is 10 years.

Project Name: **Sewer Renewal**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 2039xxxxyy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	13,200	13,900	14,600	15,300	16,100	16,900	76,800	90,000
Financed by:									
Sewer System Rehabilitation Reserve		13,200	13,900	14,600	15,300	16,100	16,900	76,800	90,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	13,200	13,900	14,600	15,300	16,100	16,900	-	90,000
Financed by:								
Sewer System Rehabilitation Reserve	13,200	13,900	14,600	15,300	16,100	16,900		90,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is a continuing program to replace and/or rehabilitate sewer infrastructure. Funds will be utilized to rehabilitate or replace combined, separate wastewater and land drainage sewers. Sewers will be replaced or rehabilitated using appropriate technologies, based on condition assessment determined through video inspection. A portion of the funding will be used for condition assessment. Additional funding has been added to the program due to the increased number of sewer mains requiring replacement/rehabilitation. The expected remaining life of each rehabilitated sewer ranges from 20 to 100 years, depending on the rehabilitation technology and the asset condition.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Summit Landfill Closure / Post-Closure**

Department: Water and Waste - Solid Waste Disposal
Capital Priority Rating: 3 - 2

Project: 20630001yy
Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,126	400	400	400	-	-	-	800	1,200
Financed by:									
Retained Earnings		400	400	400				800	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	400	400	-	-	-	-	1,200
Financed by:								
Retained Earnings	400	400	400					1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In compliance with the closure/post closure plan for the former Summit Road landfill site, there is a requirement to apply additional final cover over the site and to carry out final grading, drainage control, and vegetative cover. The additional cover and grading/drainage control, and vegetative cover will restrict infiltration of precipitation into the site reducing leachate (landfill liquids) production. This reduces the amount of leachate that needs to be pumped and treated from this site. There is also a requirement to secure this site from unauthorized access. The costs identified include acquiring fill for final cover, grading/drainage control, fencing, plantings, and signage, including associated engineering.

The expected life of this facility is 50 years.

Project Name: **Miscellaneous Land Acquisition**

Department: Water and Waste - Solid Waste Disposal
Capital Priority Rating: 3 - 2
Project: 20610001yy
Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	450	-	-	-	200	-	-	200	200
Financed by:									
Retained Earnings					200			200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	200	-	-	-	200
Financed by:								
Retained Earnings				200				200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

With the 34 closed landfills in the City, there are occasions when there is a benefit to acquiring lands in proximity of these sites to provide additional buffer zones to minimize any impacts on adjacent private lands. There are also occasions when acquiring land would be beneficial to long term control, use, drainage works, or rehabilitation of a site. The cost identified includes the cost of acquiring land with associated administration costs.

Project Name: **Landfill Cell Excavation**

Department: Water and Waste - Solid Waste Disposal
Capital Priority Rating: 3 - 4

Project: 20620004yyyy
Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,875	-	-	1,300	1,330	1,370	1,410	5,410	5,410
Financed by:									
Retained Earnings				1,300	1,330	1,370	1,410	5,410	5,410

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	1,300	1,330	1,370	1,410	-	5,410
Financed by:								
Retained Earnings			1,300	1,330	1,370	1,410		5,410

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The remaining capacity at the Brady Road Landfill is approximately 100-150 years. The funding identified provides for annual cell excavations and related works to accommodate lateral expansion of the landfill. This involves excavating a below ground cell, constructing a natural clay or artificial liner and a leachate (landfill liquids) collection system at the base of the excavation. Filling with refuse then progresses within the cell in layers until the design height above ground has been achieved, by which time the next cell has been prepared. This is planned as an annual program.

The cost identified includes the cost of excavating and stockpiling excavated soil, constructing the liner, and installation of the leachate collection system, including associated engineering.

The expected life of this facility is 50 years.

Project Name: **Summit Landfill Leachate Collection Assessment**

Department: Water and Waste - Solid Waste Disposal
Capital Priority Rating: 3 - 3
Project: 20630002yy
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing leachate collection system at the former Summit Road Landfill site is over 20 years old. Similar leachate collection systems have been subjected to clogging problems in the past. It is important to keep this system functioning effectively to be able to keep leachate levels down and contained, therefore an assessment is required to determine the effectiveness of the system at the Summit Road Landfill. The funding proposed for 2012 will involve retaining an engineering consultant to conduct investigations at the site and provide a report on the condition of the leachate collection system and any rehabilitation work required. Funding for any rehabilitation work required as a result of the investigations will be included in future budgets.

Project Name: **Closed Landfills Disposition Study**

Department: Water and Waste - Solid Waste Disposal
Capital Priority Rating: 3 - 2

Project: 20600003yy
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funding identified provides for an update of the 1993 study, which examined the disposition of the 34 closed landfills in Winnipeg, regarding landfill gas, groundwater and surface water contamination risk, and leachate (landfill liquids) conditions. In addition, this project would examine potential opportunities for beneficial end use of presently unused sites and the cost/benefit of removing the refuse and restoring candidate sites to near natural conditions.

Project Name: **Provision for Implementation of the Waste Management Strategy**

Department: Water and Waste - Solid Waste Disposal

Capital Priority Rating: 3 - 2

Project: 20650007yy

Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	23,500	2,000	-	-	-	25,500	25,500
Financed by:									
External Debt			23,500	2,000				25,500	25,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	23,500	2,000	-	-	-	-	25,500
Financed by:								
External Debt		23,500	2,000					25,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		1,065	1,000
SURPLUS/(DEFICIT)	-	(1,065)	(1,000)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is dependent on the outcome of the Comprehensive Waste Management Strategy under preparation, as approved by Council on June 23, 2010.

** Supported by class 3 estimate, see Appendix # 2.

Project Name: **Golf Course Improvements**

Department: Winnipeg Golf Services
Project: 639xxxxx10

Capital Priority Rating: 1 - 3
Service: Golf Services (SOA)

AUTHORIZATION	Previous Budgets	2011 Estimate	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	415	150	150	-	-	-	-	150	300
Financed by:									
Cash to Capital	115	(23)	(23)	(23)	(23)	(23)		(92)	(115)
Golf Course Reserve	300	173	173	23	23	23		242	415

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	150	150	-	-	-	-	-	300
Financed by:								
Cash to Capital	(23)	(23)	(23)	(23)	(23)			(115)
Golf Course Reserve	173	173	23	23	23			415

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital improvements consist of refurbishment and/or replacement of greens, tee boxes and fairways as well as reforestation, equipment purchases and improvements to land drainage, irrigation systems and clubhouse facilities.

Back to Table of Contents

The City of Winnipeg

SERVICE BASED VIEW

2011
Preliminary Capital Budget

and

2012 to 2016
Five Year Forecast

January 21, 2011

Table of Contents

Summary of Capital Program 4-1

Infrastructure Renewal and Public Works 4-2

Protection and Community Services 4-9

Property and Development 4-11

Executive Policy 4-13

CAPITAL PROJECTS SUMMARY	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS							
Roadway Construction and Maintenance	**106,496**	**67,820**	**58,081**	**64,342**	**62,999**	**58,278**	**418,016**
Transportation Planning and Traffic Management	**4,550**	**3,650**	**2,950**	**1,550**	**1,550**	**1,550**	**15,800**
Roadway Snow Removal and Ice Control		**600**					**600**
City Beautification	**1,300**	**1,300**	**900**	**1,300**	**900**	**1,300**	**7,000**
Land Drainage and Flood Control	**6,248**	**10,390**	**17,875**	**15,448**	**16,600**	**16,208**	**82,769**
Parks and Urban Forestry	**9,359**	**5,954**	**6,294**	**6,384**	**5,862**	**8,483**	**42,336**
Public Transit	**28,113**	**25,009**	**28,085**	**29,269**	**22,287**	**29,021**	**161,784**
Water	**27,570**	**29,485**	**33,570**	**24,160**	**21,300**	**35,450**	**171,535**
Wastewater	**47,590**	**222,300**	**280,250**	**182,350**	**99,850**	**73,400**	**905,740**
Solid Waste Collection & Disposal	**400**	**24,300**	**3,700**	**1,530**	**1,370**	**1,410**	**32,710**
Total Infrastructure Renewal and Public Works	**231,626**	**390,808**	**431,705**	**326,333**	**232,718**	**225,100**	**1,838,290**
PROTECTION AND COMMUNITY SERVICES							
Police Response	**99,539**	**7,990**	**12,924**	**16,215**	**5,236**	**800**	**142,704**
Fire and Rescue Response			**5,000**	**858**	**5,000**	**8,000**	**18,858**
Golf Services (SOA)	**150**	**150**					**300**
Recreation	**5,535**	**8,355**	**4,855**	**5,135**	**8,085**	**9,105**	**41,070**
Libraries	**1,700**	**6,400**	**6,050**	**3,700**	**3,900**	**6,400**	**28,150**
Arts, Entertainment and Culture	**9,773**	**9,623**	**9,623**	**9,623**	**9,623**	**9,623**	**57,888**
Insect Control					**2,250**		**2,250**
Total Protection and Community Services	**116,697**	**32,518**	**38,452**	**35,531**	**34,094**	**33,928**	**291,220**
PROPERTY AND DEVELOPMENT							
Neighbourhood Revitalization	**3,858**	**3,888**	**3,919**	**3,950**	**4,482**	**4,115**	**24,212**
Heritage Conservation		**200**	**200**	**200**	**200**	**200**	**1,000**
Cemeteries	**400**	**300**	**300**	**300**	**360**	**332**	**1,992**
Property Asset Management - Tax Supported	**500**	**300**	**500**	**500**	**300**	**500**	**2,600**
Property Asset Management - Municipal Accommodations	**4,350**	**3,274**	**4,500**	**4,080**	**4,250**	**3,647**	**24,101**
Total Property and Development	**9,108**	**7,962**	**9,419**	**9,030**	**9,592**	**8,794**	**53,905**
EXECUTIVE POLICY							
Organizational Support Services	**4,284**	**2,273**	**1,788**	**2,207**	**2,328**	**1,876**	**14,756**
Assessment, Taxation and Corporate	**7,899**	**600**	**150**		**750**	**500**	**9,899**
Council Services	**500**	**650**	**650**	**700**	**500**		**3,000**
Total Executive Policy	**12,683**	**3,523**	**2,588**	**2,907**	**3,578**	**2,376**	**27,655**
TOTAL CAPITAL PROGRAM	**370,114**	**434,811**	**482,164**	**373,801**	**279,982**	**270,198**	**2,211,070**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
CAPITAL PROJECTS LISTING								
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS								
Roadway Construction and Maintenance								
Public Works								
Recreational Walkways and Bike Paths - Various Locations	3-1	**1,000**	**500**	**500**	**500**	**500**	**500**	**3,500**
New Regional Sidewalks	3-2	**250**	**250**	**250**	**250**	**250**	**250**	**1,500**
Active Transportation Corridors	3-3	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Active Transportation Project - Infrastructure Stimulus Fund - Approved by Council on December 15, 2010	3-4	**2,958**						**2,958**
Developer Payback - Various Locations	3-6	**2,600**	**9,000**	**2,000**				**13,600**
Tuxedo Yards Development	3-7	**3,117**	**3,166**		**700**	**1,100**	**1,600**	**9,683**
Kenaston Blvd - Academy Rd to Taylor Ave	3-8	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Regional and Local Streets	3-10	**42,946**	**28,323**	**36,284**	**42,887**	**40,549**	**44,828**	**235,817**
Sturgeon Road Bridge (Sturgeon Creek)	3-12	**533**	**11,477**					**12,010**
Osborne Street Bridge (Assiniboine River)	3-13	**10,100**	**7,255**					**17,355**
Waverley Street / CN Mainline Grade Separation	3-14		**1,000**					**1,000**
Louise Bridge (Red River)	3-15			**2,581**		**2,000**		**4,581**
Fermor Avenue Bridge (Seine River)	3-17						**500**	**500**
Saskatchewan Avenue Culvert (Sturgeon Creek)	3-18						**1,000**	**1,000**
Pembina Highway Underpass	3-19	**1,300**		**7,000**	**6,000**			**14,300**
St. James Street Bridge (Omand's Creek)	3-20		**200**	**1,961**				**2,161**
Ness Avenue Culvert (Sturgeon Creek)	3-21			**1,000**	**2,000**	**8,000**		**11,000**
Portage Avenue Bridge (Sturgeon Creek)	3-22		**500**	**500**	**5,000**			**6,000**
Saskatchewan Avenue Bridge (Omand's Creek)	3-23				**500**	**2,000**		**2,500**
Lyndale Drive - Retaining Wall Rehabilitation	3-24				**500**	**500**	**3,000**	**4,000**
Osborne Street Underpass	3-25					**2,500**		**2,500**
Waterway Crossing and Grade Separations - Annual Program	3-26	**3,000**	**2,000**	**2,000**	**2,000**	**2,000**	**3,000**	**14,000**
Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd - First Charge on 2011 Capital Budget for Chief Peguis Trail right of way - Amber Trails Subdivision (Council July 21, 2010)	3-30	**34,200**						**34,200**
Waverley West Arterial Roads Project	3-32	**3,400**						**3,400**
Asset Management System - Various Divisions	3-34	**492**	**549**	**405**	**405**			**1,851**
Assessment and Taxation								
Local Improvements - Ongoing Program	3-50		**3,000**	**3,000**	**3,000**	**3,000**	**3,000**	**15,000**
Total Roadway Construction and Maintenance		**106,496**	**67,820**	**58,081**	**64,342**	**62,999**	**58,278**	**418,016**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Transportation Planning and Traffic Management								
Public Works								
Traffic Signals Enhancement	3-5	**2,300**	**2,300**					**4,600**
Traffic Engineering Improvements - Various Locations	3-9	**1,950**	**1,050**	**1,150**	**1,250**	**1,250**	**1,250**	**7,900**
CPR Yards Functional Crossing Study - between McPhillips Street and Main Street	3-16			**1,500**				**1,500**
Land Acquisition - Transportation Right of Way	3-36	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Total Transportation Planning and Traffic Management		**4,550**	**3,650**	**2,950**	**1,550**	**1,550**	**1,550**	**15,800**
Roadway Snow Removal and Ice Control								
Public Works								
Sand / Salt Storage Facility	3-37		**600**					**600**
Total Roadway Snow Removal and Ice Control			**600**					**600**
City Beautification								
Planning, Property and Development								
Downtown Enhancement Program	3-85	**400**	**400**	**400**	**400**	**400**	**400**	**2,400**
Community and Neighborhood Main Streets (formerly Image Route Enhancements / Streetscaping)	3-86	**400**	**400**		**400**		**400**	**1,600**
Public Art Strategy	3-87	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Total City Beautification		**1,300**	**1,300**	**900**	**1,300**	**900**	**1,300**	**7,000**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Land Drainage and Flood Control								
Public Works								
Land Drainage Sewers - Regional / Local Streets	3-35	**150**	**150**	**150**	**150**	**150**	**150**	**900**
Water and Waste								
Stormwater Retention Basin Rehabilitation	3-133	**200**		**400**		**400**		**1,000**
Flood Pumping Station Rehabilitation	3-134	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**6,000**
Land Drainage and Combined Sewers Outfall Gate Structures	3-135	**1,350**		**1,100**		**1,500**	**1,500**	**5,450**
Floodplain Management	3-136	**100**	**200**		**100**		**100**	**500**
Seine River Waterway Acquisition	3-137	**150**	**150**	**150**	**150**	**150**	**150**	**900**
Primary Dike Upgrading	3-138	**1,348**	**1,890**	**300**	**948**	**900**	**1,000**	**6,386**
Land Drainage Safety Upgrading Program	3-139		**100**		**100**			**200**
Land Drainage Asset Management Strategy	3-140			**200**				**200**
Land Drainage Utility Study and Implementation	3-141			**500**				**500**
Permanent Flood Pumping Stations	3-142		**250**					**250**
Flood Manual Upgrades	3-143				**900**	**500**		**1,400**
Land Drainage Supervisory Control and Data Acquisition (SCADA) System	3-144	**100**	**100**	**100**	**100**			**400**
Outfall Rehabilitation	3-145	**1,550**	**1,750**	**1,300**	**1,200**	**1,200**	**1,508**	**8,508**
Combined Sewer Flood Relief	3-146		**4,000**	**11,000**	**10,000**	**10,000**	**10,000**	**45,000**
Flood Relief Sewers - Separate	3-147	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Development Agreement Paybacks	3-148		**500**	**500**	**500**	**500**	**500**	**2,500**
Fernbank Avenue Land Drainage Sewer	3-149			**875**				**875**
Total Land Drainage and Flood Control		**6,248**	**10,390**	**17,875**	**15,448**	**16,600**	**16,208**	**82,769**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Parks and Urban Forestry								
Public Works								
Reforestation - Improvements	3-39	**383**	**387**	**383**	**383**	**383**	**383**	**2,302**
Athletic Fields - Improvements	3-40	**200**		**200**	**200**	**124**	**200**	**924**
Parks - Improvements	3-41	**712**	**617**	**677**	**653**	**655**	**655**	**3,969**
Multi-Use Recreation Sites - Parking Lot Renewals	3-42	**1,500**						**1,500**
Regional & Community Parks - Buildings	3-43	**1,150**					**2,150**	**3,300**
Playground Structures	3-44	**1,750**	**1,800**	**1,800**	**1,800**	**1,800**	**1,800**	**10,750**
Hardsurface Upgrading (formerly Pathway/Roadway/Tennis Court Upgrading)	3-4**5**			**150**	**150**		**150**	**450**
Boat Launch and Dock - Reconstruction	3-46	**500**						**500**
Community Park Amenities	3-47	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**9,000**
Planning, Property and Development								
Riverbank Greenway Programs	3-83	**403**	**400**	**381**	**400**	**400**	**443**	**2,427**
Developer Payback	3-90	**261**	**250**	**203**	**298**		**202**	**1,214**
Riverbank Stabilization - Physical Asset Protection	3-91	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**6,000**
Total Parks and Urban Forestry		**9,359**	**5,954**	**6,294**	**6,384**	**5,862**	**8,483**	**42,336**
Public Transit								
Transit								
Fare Collection System	3-128	**2,370**						**2,370**
Innovative Transit Program	3-129		**800**	**800**	**800**	**800**	**1,000**	**4,200**
Transit Building Replacement / Refurbishment	3-130	**7,293**	**9,409**	**10,700**	**11,569**	**2,940**	**4,171**	**46,082**
Transit Buses	3-131	**18,350**	**14,500**	**16,585**	**16,900**	**18,547**	**23,850**	**108,732**
Asset Management Program	3-132	**100**	**300**					**400**
Total Public Transit		**28,113**	**25,009**	**28,085**	**29,269**	**22,287**	**29,021**	**161,784**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Water								
Water and Waste - Waterworks System								
Saskatchewan Avenue Watermain	3-150			**3,900**				**3,900**
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	3-151	**1,800**	**2,900**					**4,700**
Shoal Lake Intake Chloramination Facility	3-152		**2,000**					**2,000**
General Water Infrastructure Rehabilitation	3-153		**300**	**300**	**500**	**500**	**1,000**	**2,600**
Waverley West Feedermain	3-154			**6,800**				**6,800**
Feedermain Condition Assessment and Rehabilitation	3-155	**500**	**500**	**500**	**1,000**	**1,000**	**1,000**	**4,500**
Water Utility Asset Management Strategy	3-156		**200**					**200**
Water Supply Valve Installation / Replacement Program	3-157	**750**	**750**	**750**	**750**	**750**	**750**	**4,500**
Hurst Pumping Station Building - Structural Repairs	3-158	**900**						**900**
Chlorination Decommission at Regional Pump Stations	3-159		**115**					**115**
Deacon Chemical Feed Facility Upgrading	3-160	**1,000**						**1,000**
Regional Pumping Stations Structural Upgrades	3-161		**500**					**500**
Wilkes Reservoir "B" Pit Upgrades/Rehabilitation	3-162	**600**						**600**
Regional Pumping Stations Reliability Upgrades	3-163	**1,000**	**1,000**	**1,000**	**1,000**			**4,000**
Waterworks System Security Upgrades	3-164	**850**	**500**	**500**	**500**	**500**	**150**	**3,000**
Regulatory Assessment of Water System Infrastructure and Water Supply Sources	3-165				**610**			**610**
Shoal Lake Aqueduct Asset Preservation	3-166	**700**	**1,300**			**1,000**	**1,000**	**4,000**
Aqueduct Bridging Structure at Deacon	3-167	**600**						**600**
Deacon Reservoir Cell Rehabilitation Project (formerly Deacon Reservoir Box Culvert Rehabilitation and Embankment Repairs)	3-168	**1,400**	**750**					**2,150**
Deacon Booster Pumping Station Suction Header Divider Valve	3-169	**1,200**						**1,200**
Foundation Drainage Improvements for Deacon Booster Pumping Station	3-170	**250**						**250**
Water Works By-law 504/73 Revision	3-171	**175**						**175**
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-172	**110**						**110**
Deacon Site Flood Protection	3-173		**500**					**500**
Tache Booster Pumping Station	3-174		**500**	**3,000**	**1,800**			**5,300**
Water Treatment Research and Process Optimization Facility	3-175	**100**	**650**					**750**
Branch Aqueduct Condition Assessment and Rehabilitation	3-176		**500**	**500**	**1,000**			**2,000**
Water Services Division Operations Accreditation	3-177			**500**				**500**
Water Treatment Plant Upgrading	3-178						**10,000**	**10,000**
Ultraviolet Light Disinfection Upgrade/Rehabilitation	3-179						**4,000**	**4,000**
Water Service Line Asset Management and Rehabilitation Strategy	3-180			**500**	**500**	**550**	**550**	**2,100**
Aqueduct Information Management System	3-181			**200**				**200**
McPhillips Reservoir Slope Stabilization	3-182			**120**				**120**
Public Water Outlets	3-183				**500**			**500**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Water (continued)								
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-184	**1,680**						**1,680**
Meter Infrastructure Program	3-185	**355**	**2,520**					**2,875**
Customer Service Upgrade to Telephony Communications System	3-186	**100**						**100**
Watermain Renewals	3-187	**13,500**	**14,000**	**15,000**	**16,000**	**17,000**	**17,000**	**92,500**
Total Water		**27,570**	**29,485**	**33,570**	**24,160**	**21,300**	**35,450**	**171,535**
Wastewater								
Water and Waste - Sewage Disposal								
Lift Stations Upgrading	3-188	**2,000**	**2,000**	**750**	**750**	**750**	**750**	**7,000**
Inflow / Infiltration / Cross-Connection Study and Mitigation	3-189			**500**	**500**	**3,000**		**4,000**
Sewer System Isolation in Areas Protected by Secondary Dikes	3-190	**500**	**1,000**	**1,000**				**2,500**
Raw Sewage Pump Replacement - NEWPCC	3-191	**5,450**			**9,300**			**14,750**
Upgrading External Power Supply - NEWPCC	3-192	**1,000**	**5,000**	**4,000**			**15,000**	**25,000**
Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres	3-193	**2,800**	**3,000**					**5,800**
Re-Roofing at Water Pollution Control Centres	3-194	**400**		**400**		**400**		**1,200**
Centrifuge Replacement - NEWPCC	3-195		**1,500**	**8,000**				**9,500**
River Crossings Monitoring and Rehabilitation	3-196	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**7,800**
Water Pollution Control Centre Reliability Upgrades	3-197			**5,000**	**5,000**	**5,000**	**5,000**	**20,000**
Wastewater System Security Upgrades	3-198		**500**	**500**	**500**	**500**	**500**	**2,500**
Traffic Safety Upgrades - NEWPCC	3-199			**2,450**				**2,450**
Holding Tanks Restoration - NEWPCC	3-200	**2,550**		**2,550**				**5,100**
Primary Clarifier Covers - NEWPCC	3-201			**500**		**25,000**		**25,500**
Wastewater Utility Asset Management Strategy	3-202			**200**				**200**
New Discharge Chamber - NEWPCC	3-203			**5,000**	**10,000**			**15,000**
New Surgewell - NEWPCC	3-204		**4,000**	**9,000**				**13,000**
Grit Handling Upgrades - NEWPCC	3-205		**2,400**	**4,900**	**6,600**		**5,000**	**18,900**
Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development (formerly Cockburn & Jesse Lift Stations Upgrades to Facilitate Fort Rouge Yards Development)	3-206	**300**	**2,000**					**2,300**
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-207	**110**						**110**
Fernbank Interceptor	3-208						**8,000**	**8,000**
Warde Interceptor Extension	3-209						**3,200**	**3,200**
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-210	**1,680**						**1,680**
Sewer Service Line Asset Management and Rehabilitation Strategy	3-211				**500**	**500**	**550**	**1,550**
Digester Rehabilitation Project - NEWPCC	3-212	**5,000**	**1,000**	**1,000**	**1,000**	**1,000**		**9,000**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Wastewater (continued)								
Distributed Control System (DCS) & Human Machine Interface (HMI) upgrades at Water Pollution Control Centres (WPCCs)	3-213	**3,000**	**1,000**	**1,000**				**5,000**
Grit Tank Refurbishment - SEWPCC	3-214	**250**						**250**
Centralized Facilities Renovation	3-215	**150**						**150**
552 Plinguet Wastewater Services Garage Structural Rehabilitation	3-216	**400**						**400**
Customer Service Upgrade to Telephony Communications System	3-217	**100**						**100**
Secondary Clarifier Refurbishment - NEWPCC	3-218	**100**	**300**	**300**	**300**			**1,000**
Environmental Impact Statement and Public Hearings	3-219	**200**	**200**	**100**	**100**	**100**		**700**
Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation	3-220	**4,100**	**16,200**	**17,200**	**16,200**	**16,200**	**17,200**	**87,100**
Biosolids - Alternative Disposal Delivery & Management System	3-221	**3,000**	**17,000**	**50,000**	**50,000**	**30,000**		**150,000**
Nutrient Removal - NEWPCC	3-222		**150,000**	**150,000**	**65,000**			**365,000**
Sewer Renewal	3-223	**13,200**	**13,900**	**14,600**	**15,300**	**16,100**	**16,900**	**90,000**
Total Wastewater		**47,590**	**222,300**	**280,250**	**182,350**	**99,850**	**73,400**	**905,740**
Solid Waste Collection & Disposal								
Water and Waste - Solid Waste Disposal								
Summit Landfill Closure / Post-Closure	3-235	**400**	**400**	**400**				**1,200**
Miscellaneous Land Acquisition	3-225				**200**			**200**
Landfill Cell Excavation	3-226			**1,300**	**1,330**	**1,370**	**1,410**	**5,410**
Summit Landfill Leachate Collection Assessment	3-227		**200**					**200**
Closed Landfills Disposition Study	3-228		**200**					**200**
Provision for Implementation of the Waste Management Strategy	3-229		**23,500**	**2,000**				**25,500**
Total Solid Waste Collection & Disposal		**400**	**24,300**	**3,700**	**1,530**	**1,370**	**1,410**	**32,710**
TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS		**231,626**	**390,808**	**431,705**	**326,333**	**232,718**	**225,100**	**1,838,290**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
PROTECTION AND COMMUNITY SERVICES								
Police Response								
Winnipeg Police Service								
Winnipeg Police Service Communications Systems	3-66		**3,390**					**3,390**
Automated Fingerprint Identification System (AFIS) Replacement	3-67	**179**		**321**				**500**
Mobile Laptops	3-68			**1,200**				**1,200**
Officer Mobile Video System	3-69					**1,000**		**1,000**
Radio Upgrade for Districts 3 and 4	3-70						**500**	**500**
Computer Assisted Dispatch	3-71					**1,800**		**1,800**
Police Division's Systems Upgrades	3-72				**5,016**	**2,436**	**300**	**7,752**
West Station Information Technology Requirements	3-74		**500**					**500**
North Station Information Technology Requirements	3-75			**500**				**500**
Police Building Replacement	3-77		**4,100**					**4,100**
Winnipeg Police Headquarters	3-78	**99,360**						**99,360**
Police Headquarters - Other	3-79			**10,903**	**11,199**			**22,102**
Total Police Response		**99,539**	**7,990**	**12,924**	**16,215**	**5,236**	**800**	**142,704**
Fire and Rescue Response								
Fire Paramedic Service								
Facilities Replacement and Relocation Program	3-80			**5,000**	**858**	**3,000**	**4,000**	**12,858**
Replacement Radio System	3-81					**2,000**	**4,000**	**6,000**
Total Fire and Rescue Response				**5,000**	**858**	**5,000**	**8,000**	**18,858**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Recreation								
Community Services								
Recreational Facility Safety & Accessibility Improvements	3-56		**400**	**400**	**500**	**500**	**600**	**2,400**
Business Application Systems	3-58			**250**				**250**
Recreation Equipment Program - New Facilities	3-59					**400**		**400**
Technology Upgrade and Replacement	3-60				**250**			**250**
Recreation Facility Replacement - Various	3-62		**2,750**			**2,800**	**2,600**	**8,150**
Recreation Refurbishment and Redevelopment	3-63	**1,000**	**1,000**				**1,500**	**3,500**
Municipal Accommodations								
Community Centres - Refurbishing and Improvements - First Charge on 2011 Capital Budget for Expansion/Renovation of the Lindenwoods Community Centre, $410,000 (Council July 21, 2010)	3-103	**910**	**500**	**500**	**700**	**700**	**700**	**4,010**
Arenas	3-104	**525**	**525**	**525**	**525**	**525**	**525**	**3,150**
Indoor Aquatic Facilities	3-105	**2,240**	**2,530**	**2,530**	**2,530**	**2,530**	**2,530**	**14,890**
Outdoor Aquatic Facilities	3-106	**350**	**350**	**350**	**330**	**330**	**350**	**2,060**
Community Facilities	3-107	**410**	**200**	**200**	**200**	**200**	**200**	**1,410**
UFF - Hockey Pen Light Standard Replacement	3-109	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Recreation and Leisure Facilities	3-110							
Total Recreation		**5,535**	**8,355**	**4,855**	**5,135**	**8,085**	**9,105**	**41,070**
Golf Services (SOA)								
Winnipeg Golf Services								
Golf Course Improvements	3-230	**150**	**150**					**300**
Total Golf Services (SOA)		**150**	**150**					**300**
Libraries								
Community Services								
Library Shelving and Furniture Replacement Program	3-52	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Library Replacement - Various	3-53	**1,000**	**5,500**	**4,000**	**2,000**	**3,000**	**5,000**	**20,500**
Renovate and Refurbish Various Library Branches Program	3-54	**500**	**500**	**1,000**	**800**		**500**	**3,300**
Library Technology Upgrade and Replacement	3-55				**500**	**500**	**500**	**1,500**
Library Signage, Safety and Accessibility	3-57		**200**	**200**	**200**	**200**	**200**	**1,000**
Mobile Library Service Vehicle	3-61			**650**				**650**
Total Libraries		**1,700**	**6,400**	**6,050**	**3,700**	**3,900**	**6,400**	**28,150**

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* (in Thousands of $)	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	FORECAST 2012	2013	2014	2015	2016	2011-2016 TOTAL
Arts, Entertainment and Culture								
Community Services								
Assiniboine Park Conservancy (APC) - Upgrades and Improvements	3-64	**5,123**	**5,123**	**5,123**	**5,123**	**5,123**	**5,123**	**30,738**
Assiniboine Park Conservancy (APC) - Capital Development Plan	3-65	**4,500**	**4,500**	**4,500**	**4,500**	**4,500**	**4,500**	**27,000**
City Clerks								
Manitoba Children's Museum Capital Renewal Project	3-115	**100**						**100**
Le Cercle Moliére Theatre Facility	3-116	**50**						**50**
Total Arts, Entertainment and Culture		**9,773**	**9,623**	**9,623**	**9,623**	**9,623**	**9,623**	**57,888**
Insect Control								
Public Works								
Insect Control - Information System	3-48					**1,250**		**1,250**
Insect Control - Replace 3 Grey Street Operations Building	3-49					**1,000**		**1,000**
Total Insect Control						**2,250**		**2,250**
TOTAL PROTECTION AND COMMUNITY SERVICES		**116,697**	**32,518**	**38,452**	**35,531**	**34,094**	**33,928**	**291,220**
PROPERTY AND DEVELOPMENT								
Neighbourhood Revitalization								
Public Works								
City-Wide Accessibility Program	3-38	**350**	**350**	**350**	**350**	**350**	**350**	**2,100**
Community Services								
Community Incentive Grant Program	3-51	**1,508**	**1,538**	**1,569**	**1,600**	**1,632**	**1,665**	**9,512**
Planning, Property and Development								
Building Communities Initiative II	3-93	**2,000**	**2,000**	**2,000**	**2,000**	**2,500**	**2,100**	**12,600**
Total Neighourhood Revitalization		**3,858**	**3,888**	**3,919**	**3,950**	**4,482**	**4,115**	**24,212**
Heritage Conservation								
Municipal Accommodations								
Historic Buildings	3-100		**200**	**200**	**200**	**200**	**200**	**1,000**
Total Heritage Conservation			**200**	**200**	**200**	**200**	**200**	**1,000**

CAPITAL PROJECTS SUMMARY	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**Budget**	**FORECAST**					**2011-2016**
(in Thousands of $)	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Cemeteries							
Planning, Property and Development							
Cemeteries - Improvements	**400**	**300**	**300**	**300**	**360**	**332**	**1,992**
Total Cemeteries	**400**	**300**	**300**	**300**	**360**	**332**	**1,992**
Property Asset Management - Tax Supported							
Planning, Property and Development							
Computer Automation	**200**		**200**	**200**		**200**	**800**
Land Acquisition for General Unspecified Purposes	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Total Property Asset Management - Tax Supported	**500**	**300**	**500**	**500**	**300**	**500**	**2,600**
Property Asset Management - Municipal Accommodations							
Municipal Accommodations							
General Building Renovation and Refurbishing	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Accommodation Facilities	**1,100**	**1,100**	**2,200**	**1,830**	**2,100**	**1,820**	**10,150**
Fire/Life Safety/Regulatory Upgrades	**525**	**549**	**525**	**1,125**	**725**	**625**	**4,074**
Energy Conservation		**200**	**150**	**200**	**100**	**100**	**750**
Civic Centre Car Park Tunnel		**200**				**100**	**300**
Tenant Improvement Prepayment - Major Department		**500**			**200**	**200**	**900**
Generator Set Replacement and Upgrades			**800**		**200**		**1,000**
Security/Building Automation System Initiatives	**125**	**125**	**225**	**225**	**225**	**140**	**1,065**
Building Asset / Work Management Program	**100**	**100**	**100**	**200**	**200**	**162**	**862**
University of Winnipeg - Soccer Complex	**2,000**						**2,000**
Total Property Asset Management - Municipal Accommodations	**4,350**	**3,274**	**4,500**	**4,080**	**4,250**	**3,647**	**24,101**
TOTAL PROPERTY AND DEVELOPMENT	**9,108**	**7,962**	**9,419**	**9,030**	**9,592**	**8,794**	**53,905**

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* (in Thousands of $)	DETAIL PAGE NO.	PRELIMINARY CAPITAL Budget 2011	FORECAST 2012	2013	2014	2015	2016	2011-2016 TOTAL
EXECUTIVE POLICY								
Organizational Support Services								
Corporate Support Services								
Time and Labour	3-117	**500**						**500**
Consolidated Data Warehouse / Business Intelligence	3-118	**925**		**169**	**153**	**218**	**203**	**1,668**
Communications Network Infrastructure	3-119	**638**	**593**	**277**	**541**	**566**	**553**	**3,168**
Network Computing Initiatives	3-120	**211**	**213**	**213**	**212**	**212**	**212**	**1,273**
E-Government	3-121	**310**	**467**	**629**	**655**	**603**	**573**	**3,237**
PeopleSoft Upgrade	3-122	**1,500**	**1,000**	**200**				**2,700**
311 Renewal	3-123			**300**	**646**	**729**	**335**	**2,010**
Asset Management Program	3-124	**200**						**200**
Total Organizational Services		**4,284**	**2,273**	**1,788**	**2,207**	**2,328**	**1,876**	**14,756**
Assessment, Taxation and Corporate								
Assessment and Taxation								
Assessment Automation	3-125		**500**			**750**	**500**	**1,750**
Corporate								
Capital Investment Fund	3-126	**7,899**		**150**				**8,049**
Asset Management Initiative	3-127		**100**					**100**
Total Assessment, Taxation and Corporate		**7,899**	**600**	**150**		**750**	**500**	**9,899**
Council Services								
City Clerks								
Corporate Records Centre	3-112		**150**					**150**
Election Systems	3-113			**150**	**200**			**350**
City Archives	3-114	**500**	**500**	**500**	**500**	**500**		**2,500**
Total Council Services		**500**	**650**	**650**	**700**	**500**		**3,000**
TOTAL EXECUTIVE POLICY		**12,683**	**3,523**	**2,588**	**2,907**	**3,578**	**2,376**	**27,655**
TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW		**370,114**	**434,811**	**482,164**	**373,801**	**279,982**	**270,198**	**2,211,070**

Winnipeg

Back to Table of Contents

The City of Winnipeg

Appendices

2011
Preliminary Capital Budget

and

2012 to 2016
Five Year Forecast

Table of Contents

Appendix 1: Capital Priority Rating System 5-1

Appendix 2: Cost Estimation Classification System 5-3

Appendix 3: Public Private Partnership Payments 5-5

Appendix 1: Capital Priority Rating System

The purpose of the Priority System is to provide a set of criteria by which proposed spending programs can be ranked in order of priority on a City-wide basis over the whole range of City functions and activities.

The System recognizes two basic factors, namely, priority of function (priority grouping) and degree of priority (sub-group rating).

Priority Groupings		Priority Points Main	Sub
A.	**Vital Services** Those basic elements of essential services which are vital to the day to day domestic, industrial, and commercial life of the City. Capital expenditures within this group would be related to: 1. Sewage Disposal Collection System and treatment facilities. 2. Water aqueduct reservoirs, pumping stations and trunk feedermains	5	
B.	**Essential Services** Those basic services characterized by a high degree of public necessity, convenience and safety. Capital expenditures within this group would be related to: 1. Public Transportation 2. Fire and Police Protection 3. Garbage Collection and Disposal 4. Regional Street System 5. Land Drainage	3	

Priority Groupings		Priority Points Main	Sub
C.	**Standard Services** Those services which would reasonably be expected to be provided to all citizens of the City for their convenience and in accordance with generally accepted standards. Capital expenditures within this group would be related to: 1. Residential Street and Lane Construction (Local Improvements or other).	2	
D.	**Desirable Services** Those services having an aesthetic social, cultural, educational or entertainment value. Capital expenditures within this group would be related to: 1. Parks and Related Facilities 2. Recreational Facilities 3. Libraries 4. Museums	1	
	Sub-Group Rating		
	Could cause a serious imminent disruption of service (should be done without undue delay).		4
	Would extend or complete the expected usefulness and/or reliability of a facility (should not be delayed for more than 1 year).		3
	Would improve a facility which is at present sub-standard or approaching a high degree of obsolescence (should not be delayed for more than 2 years)		2
	Would qualify as a minimum sustaining program - desirable but not absolutely essential (could be delayed for 3 years or more).		1

Note: A bonus of up to 2 points may be added to any of the subcategories 1 to 4 for projects that clearly contribute specifically to the City's declared development objectives.

Appendix 2: Cost Estimation Classification System

Class 5	Typical estimate methodology is judgment and not predicted precisely. (Concept Screening)		
Level of Project Definition	0 to 2%	Expected Accuracy	High: +30% to +100% Low: -20% to -50%

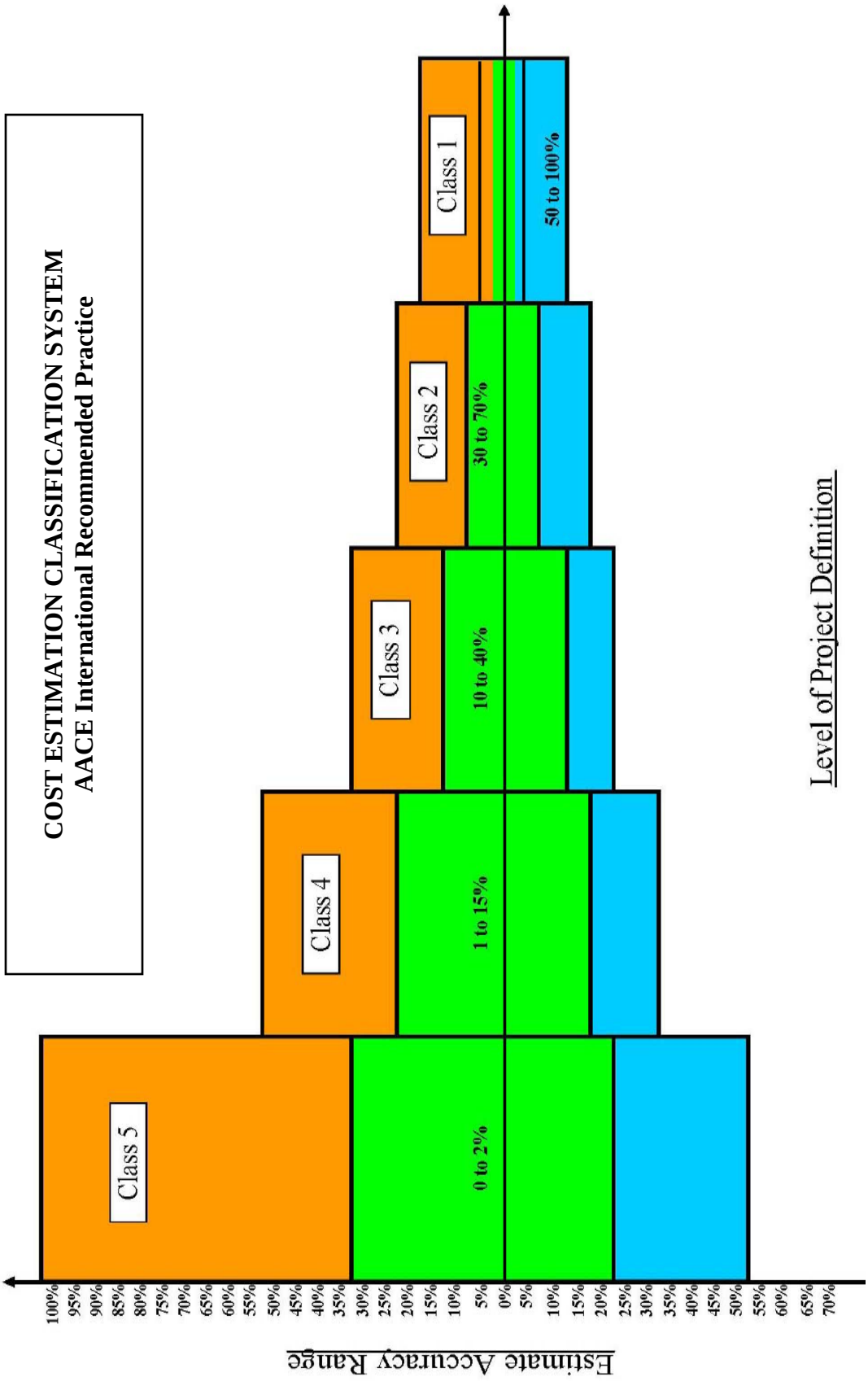
Class 4	Typical estimate methodology primarily judgment. (Concept Study or Feasibility)		
Level of Project Definition	1 to 15%	Expected Accuracy	High: +20% to +50% Low: -15% to -30%

Class 3	Typical estimate methodology is a mixture of deterministic and judgment but primarily judgmental. (Budget Authorization or Control)		
Level of Project Definition	10 to 40%	Expected Accuracy	High: +10% to +30% Low: -10% to -20%

Class 2	Typical estimate methodology is primarily deterministic. (Control or bid/tender)		
Level of Project Definition	30 to 70%	Expected Accuracy	High: +5% to +20% Low: -5% to -15%

Class 1	Typical estimate methodology is deterministic. (Check Estimate or bid / tender)		
Level of Project Definition	50 to 100%	Expected Accuracy	High: +3% to +15% Low: -3% to -10%

Based on Association for the Advancement of Cost Engineering (AACE) International Recommended Practice No. 17R-97 Cost Estimating Classification System


COST ESTIMATION CLASSIFICATION SYSTEM
AACE International Recommended Practice
Class 5
Class 4
Class 3
Class 2
Class 1
0 to 2%
1 to 15%
10 to 40%
30 to 70%
50 to 100%
Level of Project Definition
Estimate Accuracy Range
100% 95% 90% 85% 80% 75% 70% 65% 60% 55% 50% 45% 40% 35% 30% 25% 20% 15% 10% 5% 0% 5% 10% 15% 20% 25% 30% 35% 40% 45% 50% 55% 60% 65% 70%

Appendix 3: Public Private Partnership Payments as a Percentage of Cash to Capital/Gas Tax

(In thousands of dollars)	2011	2012	2013	2014	2015	2016
Public Private Partnership Payments:						
1 Charleswood Bridge	1,478	1,478	1,478	1,478	1,478	1,478
2 Police Building Replacement	891	2,074	3,449	3,449	3,449	3,450
3 Disraeli Bridge and Overpass Facility		7,700	19,800	19,800	19,800	19,800
4 Chief Peguis Trail - Henderson to Lagimodiere	2,444	8,284	8,284	8,284	8,284	8,284
Total	4,813	19,536	33,011	33,011	33,011	33,012
Less Manitoba Winnipeg Infrastructure Fund (2010 - 2019)			(5,000)	(5,000)	(5,000)	(5,000)
Net Public Private Partnership Payments	**4,813**	**19,536**	**28,011**	**28,011**	**28,011**	**28,012**
Financing Sources:						
1 Cash to Capital	67,478	69,478	71,478	73,478	75,478	77,478
2 Federal Gas Tax	40,450	41,050	40,450	40,450	40,450	40,450
Total Cash to Capital and Gas Tax:	**107,928**	**110,528**	**111,928**	**113,928**	**115,928**	**117,928**
Payments as a Percentage of Cash to Capital and Gas Tax	**4.46%**	**17.68%**	**25.03%**	**24.59%**	**24.16%**	**23.75%**

Notes:

1 Public Private Partnership Payments include Annual Service/financing payments.

2 The Province of Manitoba announced an additional $53.3 million over a ten-year period for roads funding to the City of Winnipeg, amending its contribution to the City under the Manitoba-Winnipeg Infrastructure Fund.

3 Estimated amounts for planned Public Private Partnerships are subject to change based on the final procurement process.

2011

Preliminary Capital Budget

2012 - 2016 Five-Year Forecast

Winnipeg