

Winnipeg

The City of Winnipeg **2012**

Preliminary Capital Budget

2013 - 2017 Five Year Forecast

The City of Winnipeg

2012
Preliminary Capital Budget

and

2013 to 2017
Five Year Forecast

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Prepared by Corporate Finance,
The City of Winnipeg

City of Winnipeg website: www.winnipeg.ca

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

November 22, 2011

TO ALL MEMBERS OF COUNCIL:

Re: Preliminary 2012 Capital Budget
- and the -
2013 to 2017 Five Year Forecast

We are pleased to submit the Preliminary Capital Investment Plan for the City of Winnipeg for the years 2012 to 2017.

This capital budget invests in infrastructure priorities of $2.3 billion over the 6 year period. Over $451.5 million is earmarked for streets and bridges over the multi-year plan with $149.8 million authorized in 2012 alone, a 34% increase compared to 2011. The Plessis Road Twinning and Grade Separation project is included at $77 million incorporating a $50 million investment from the Building Canada Fund. The City continues to grow its "Cash to Capital" funding by $2 million each year, bringing the contribution in 2012 to $69.5 million.

Although capital funding is limited when compared to the infrastructure challenges we face, strategic capital investments are part of this budget. The City's commitment to the Assiniboine Park Conservancy continues at $57.7 million over the 6 year plan. Funding for the Winnipeg Police Headquarters project recently approved by Council as well as funding for the Fire Paramedic facilities replacement project is built in. Total Public Safety projects amount to $62.2 million over this multi-year plan. The East Yard Complex Development for $49.5 million in 2012 will combine operations of the Public Works Department and Winnipeg Fleet Management Agency to provide more efficient and cost effective service delivery and allow vacating and disposal of properties which are operating beyond their useful life.

Other investments over the 6 year plan include Parks and Open Space projects at $31.1 million and $84 million for other community infrastructure and amenities. A new Community Centre Renovation Incentive Grant Program is beginning in 2012 for upgrading and improving City-owned community centres. The Transit 6 year program of $161.7 million includes $112.5 million for buses, and $43.3 million for building replacement and refurbishing. As well, the Transit program includes funding in 2012 to move forward with the planning, design and preparation for future Rapid Transit Corridors.

This multi-year plan includes a $92.5 million investment for the land drainage program, $184.9 million for the water utility and $923.9 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 collection and disposal investment of $145 million over the 6 year period includes funding for the recently approved Garbage and Recycling Master Plan in order to increase the City's waste diversion rate and implement an integrated waste management strategy.

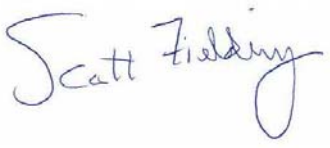
The other levels of government have made significant investments in the City's capital program including federal gas tax and provincial roads funding. Unfortunately, these other government commitments are not enough to address the infrastructure deficit and the challenges we face. We must continue to negotiate and advocate for long term capital support from the other levels of government to address growing infrastructure funding shortfalls.

This preliminary plan outlines the capital priorities given our capital funding constraints. 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

RECOMMENDATIONS

1. a) That the 2012 Capital Budget totaling $393,149,000 requiring new borrowing authority of $41,250,000 for tax-supported operations and the Solid Waste Utility capital programs, be reviewed and submitted to Council for adoption;

   Note: Borrowing authority for the "East Yard Complex Development" in an amount of $41,414,000 has been authorized by Council on November 16th, 2011.

   b) That the 2013 to 2017 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
2012	69.478
2013	71.478
2014	73.478
2015	75.478
2016	77.478
2017	79.478

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

4. That Council authorize the expenditure of up to $4.5 million for the Assiniboine Park Conservancy - Capital Development Plan in 2012 or prior to the adoption of the 2013 Capital Budget as a first charge against the General Capital Fund, in accordance with Subsection 288(2) of the City of Winnipeg Charter to facilitate timely work on the Capital Development Plan.

5. a) That the City work with the Province to allocate $1.6 million (to be cost-shared 50/50 with the City and the Province) from the existing Building Communities Initiative for the East Elmwood Community Centre.

   b) That the City request new, incremental funding of $900,000 from the Province to be matched 50/50 with City funds for the East Elmwood Community Centre.

   c) That Council authorize the expenditure of up to $340,000 for the East Elmwood Community Centre in 2012 or prior to the adoption of the 2013 Capital Budget as a first charge against the General Capital Fund, in accordance with Subsection 288(2) of the City of Winnipeg Charter to undertake initial design work to determine the final cost estimate for project construction.

6. That Council authorize the expenditure of up to $400,000 for the preliminary design for the Panet Road/Molson Street Twinning - Munroe Avenue to Grassie Boulevard project in 2012 or prior to the adoption of the 2013 Capital Budget as a first charge against the General Capital Fund, in accordance with Subsection 288(2) of the City of Winnipeg Charter.

7. That an amount of $50,000 from the Corporate Non-Specified Capital Account be authorized to fund a study to determine options for local streets renewal.

8. That the City request new, incremental funding of $1 million from the Province to be matched 50/50 with City funds for the planning, design and preparation for future Rapid Transit Corridors.

9. That the Chief Financial Officer be delegated the authority to redistribute capital financing (federal gas tax revenue, cash to capital, reserves, retained earnings, other government funding, and other financing sources) within the terms of the various funding agreements, prior to utilizing debt financing in order to ensure the most effective timing and use of funding. Total debt authorizations and approved funding levels are not to be exceeded. Any redistribution of capital financing related to the Water and Waste Department to be done in conjunction with the Director of Water and Waste.

10. That $8.478 million in prior years' capital surplus identified in the recent capital closure process be transferred to fund capital projects in the 2012 Capital Budget.

11. That an amount of $1.8 million from the Planning, Property and Development Non-Specified Capital Account be transferred to fund the 2012 capital project "Emergency Repair/Replacement of the Cooling Plant - 510 Main Street".

12. That an amount of $372,000 of surplus in the 2010 capital project "Aerial Support Unit" be transferred to fund the 2012 capital project "Bomb Magazine Storage Facility".

13. That the source of internal financing previously approved as an option to externally borrow for the following approved capital projects be the General Capital Fund:

    a) "Winnipeg Police Service Headquarters Redevelopment" in an amount of $18,967,000 to be repaid by the Land Operating Reserve from the proceeds of sale of the tower; and

    b) "Disraeli Bridge and Overpass Facility" in an amount of $31,700,000 to be repaid by the Federal Gas Tax Revenue Reserve.

14. a) That Borrowing By-law No. 18/2011 for general tax supported borrowing for the redevelopment of the Winnipeg Police Service Headquarters Building of $78,952,000 be rescinded as it was replaced by Borrowing By-law No. 93/2011; and

    b) That Council authorize borrowing authority in an amount of up to $18,967,000 for interim financing for the Winnipeg Police Headquarters in the event that internal financing is not available.

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

16. 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.

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The City of Winnipeg

Overview

2012
Preliminary Capital Budget

and

2013 to 2017
Five Year Forecast



2012 Preliminary Capital Budget

and 2013 to 2017 Five Year Capital Forecast

Executive Policy Committee
November 22, 2011

Winnipeg

2012 CAPITAL BUDGET PROCESS

- **Public consultation session on November 1st**
- **Standing Policy Committee Review**
- **Council debate and adoption**



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2012 CAPITAL BUDGET CONTEXT



- **Multi-year view**
- **Challenged by aging infrastructure and an infrastructure deficit**
- **Federal and Provincial government funding partners facing deficits**
- **Debt strategy adopted by Council – June 22, 2011**
- **Global market uncertainty**

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HIGHLIGHTS

- **6 Year Capital investment plan of $2.3 billion:**
  - **Total Streets projects $451.6 million**
  - **Continued commitment to the redevelopment of Assiniboine Park through the Assiniboine Park Conservancy - $57.7 million**
  - **Garbage and Recycling Master Plan**
  - **Public Safety - new Police Headquarters, Police District Stations and Fire Paramedic facilities replacement plan**
  - **New Community Centre Renovation Incentive Grant Program**

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HIGHLIGHTS

- **$393.1 million in 2012**
  - **Total Streets projects $149.8 million**
  - **Plessis Road Twinning and Grade Separation $77 million**
  - **East Yard Complex Development $49.5 million**
  - **Planning, design and preparation for future Rapid Transit Corridors**
  - **Automated garbage and recycling carts and an organics (yard waste) composting facility**

- **Cash to Capital $69.5 million in 2012 and increasing by $2 million per year**

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AREAS OF MAJOR CAPITAL INVESTMENT

2012 - 2017



- **$923.9 million for sewage disposal projects**
- **$451.6 million for roads and bridges**
- **$172.9 million for parks, community infrastructure and amenities**
- **$184.9 million for the water system**
- **$161.7 million for the transit system**
- **$145.0 million for solid waste disposal and garbage collection**
- **$92.5 million for land drainage and flood control**
- **$62.2 million for public safety infrastructure**

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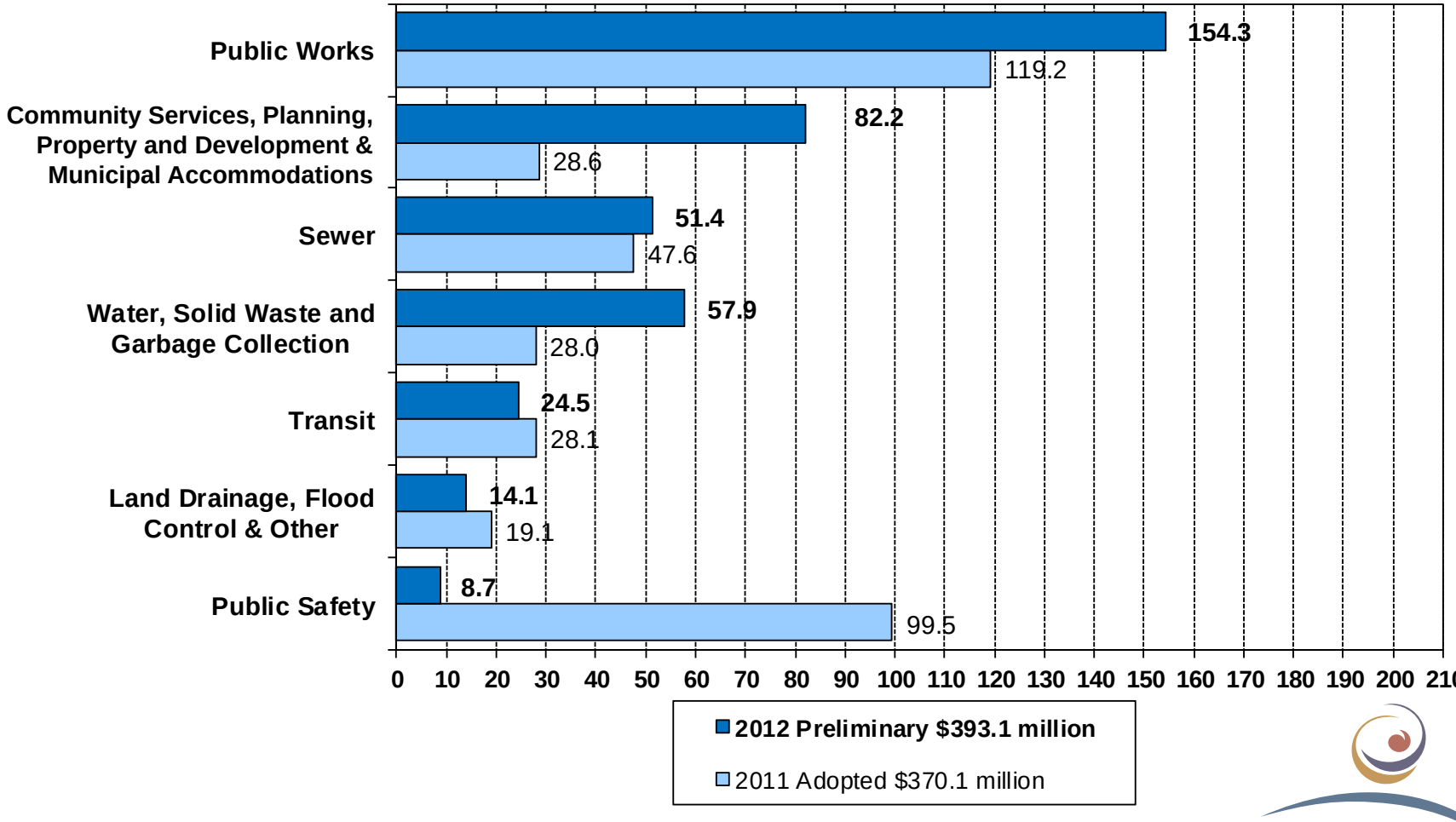
CAPITAL PROJECTS

Authorizations

(millions of dollars)



Excludes P3 payments

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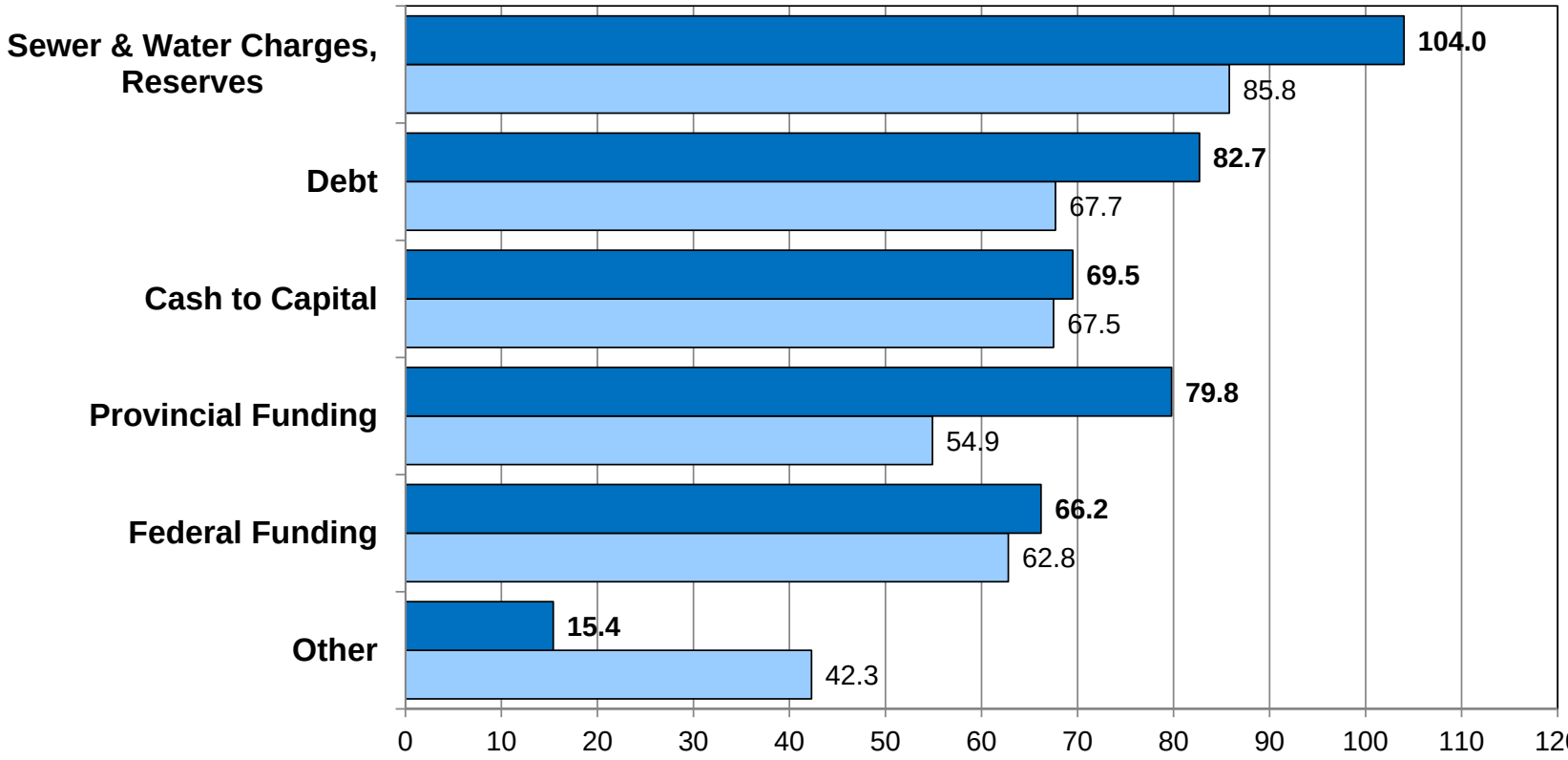
CAPITAL FINANCING

(millions of dollars)



Includes P3 Payments

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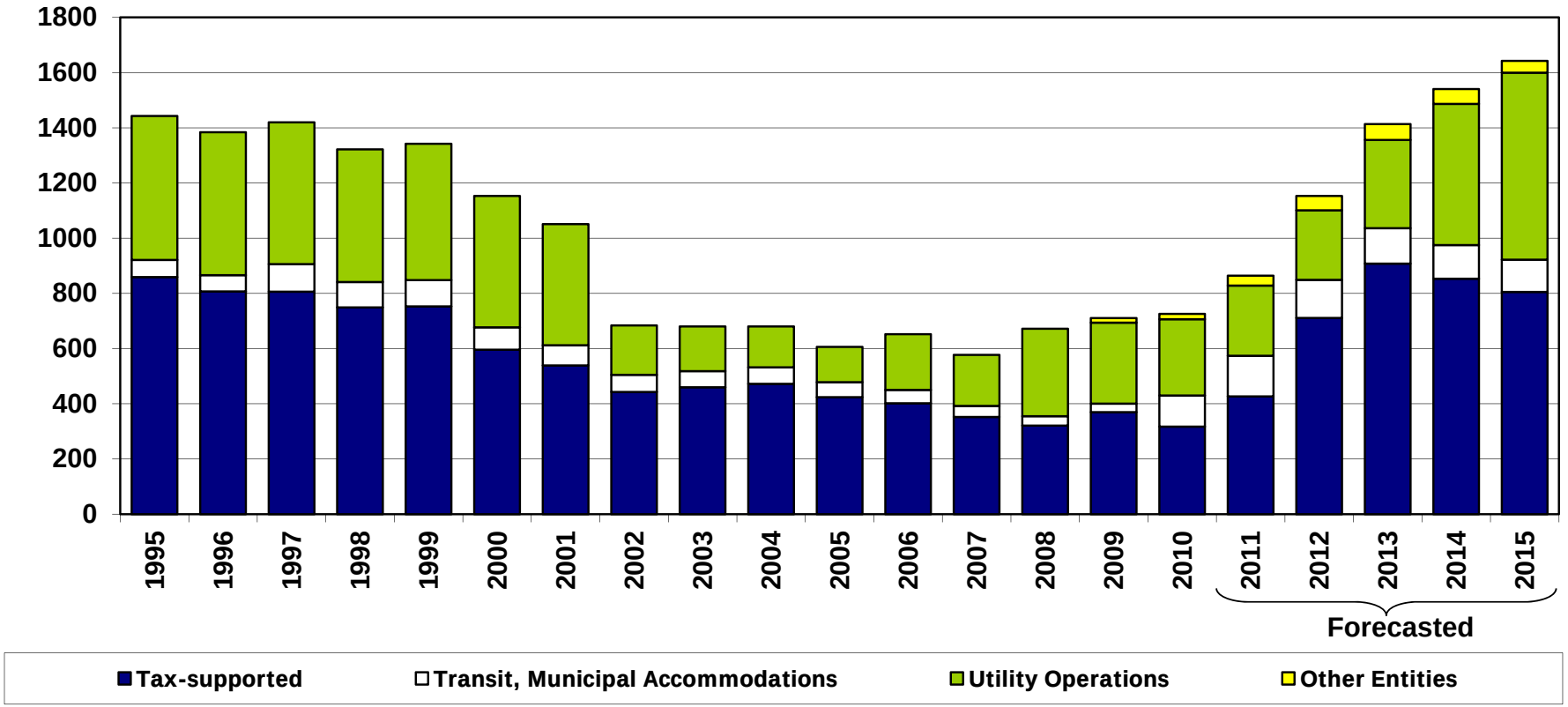
CITY OF WINNIPEG NET DEBT PER CAPITA
at December 31st



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

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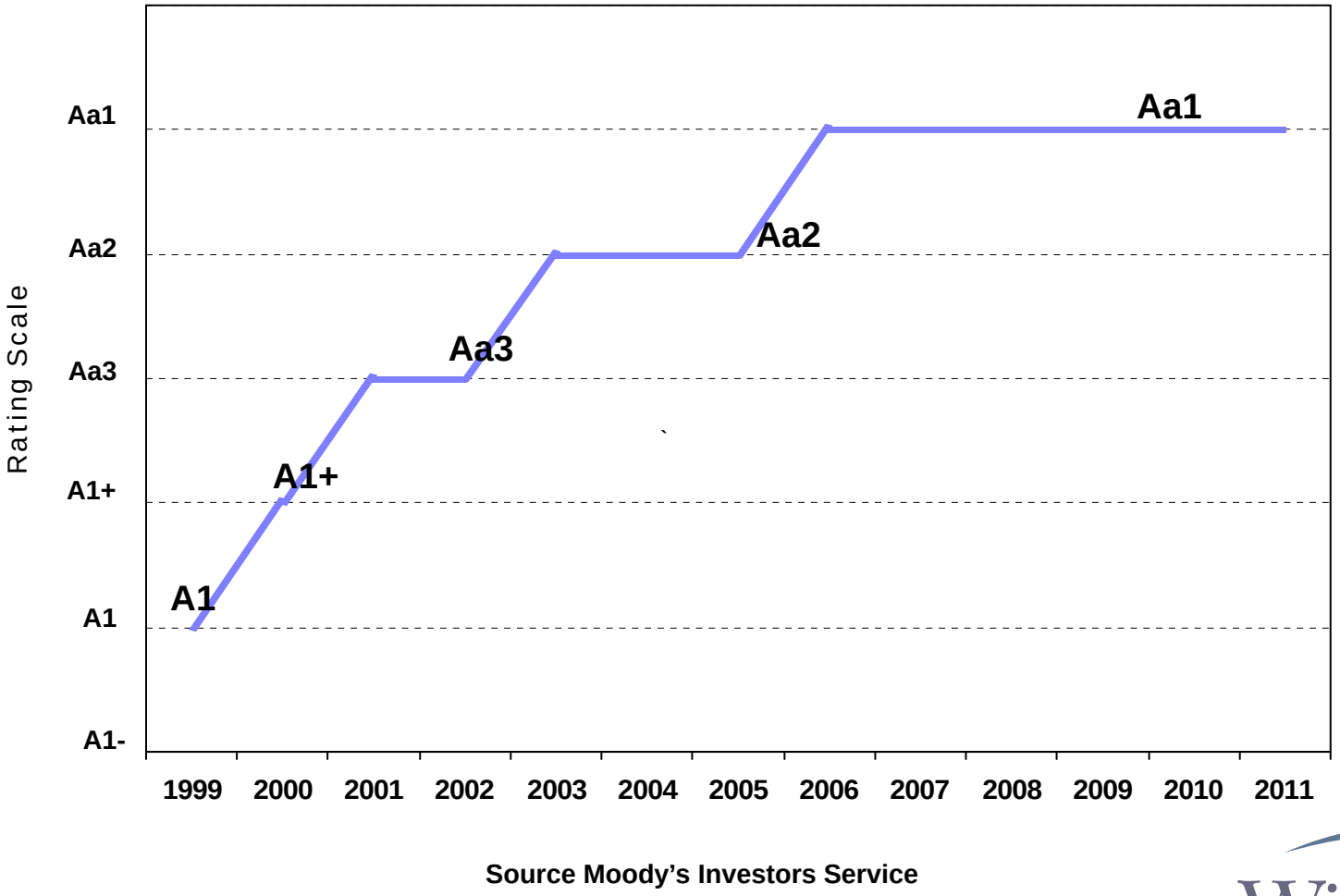
CREDIT RATING



Source Moody's Investors Service

Winnipeg

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The City of Winnipeg

CAPITAL PROJECTS SUMMARY

2012
Preliminary Capital Budget

and

2013 to 2017
Five Year Forecast

November 22, 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.

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	BUDGET	FORECAST					2012-2017 6 YEAR TOTAL
	2012	2013	2014	2015	2016	2017	
SUMMARY OF CAPITAL PROGRAM							
Public Works	**154,331**	**57,442**	**69,770**	**59,911**	**70,615**	**70,623**	**482,692**
Local Improvements		**2,000**	**2,000**	**2,000**	**2,000**	**2,000**	**10,000**
Water and Waste	**17,790**	**16,850**	**15,098**	**17,325**	**15,858**	**16,850**	**99,771**
Community Services and Community Incentive Grants	**16,912**	**21,757**	**15,338**	**16,820**	**18,353**	**17,017**	**106,197**
Winnipeg Police Service	**8,722**	**9,884**	**4,643**	**6,186**	**9,000**	**4,900**	**43,335**
Fire Paramedic Service		**5,000**	**858**	**5,000**	**4,000**	**4,000**	**18,858**
Planning, Property and Development	**5,973**	**5,841**	**5,630**	**6,155**	**6,000**	**5,933**	**35,532**
City Clerks	**650**	**650**	**700**	**500**		**350**	**2,850**
Corporate Support Services	**2,223**	**2,088**	**2,607**	**3,128**	**1,876**	**4,651**	**16,573**
Assessment and Taxation	**500**			**750**	**500**	**350**	**2,100**
Other Projects	**100**						**100**
Sub-Total Tax Supported General	**207,201**	**121,512**	**116,644**	**117,775**	**128,202**	**126,674**	**818,008**
Municipal Accommodations	**59,349**	**9,255**	**8,904**	**9,185**	**7,921**	**9,198**	**103,812**
Transit	**24,459**	**26,197**	**29,952**	**23,932**	**28,021**	**29,185**	**161,746**
Total Tax Supported Including Transit and Municipal Accommodations	**291,009**	**156,964**	**155,500**	**150,892**	**164,144**	**165,057**	**1,083,566**
UTILITIES							
Waterworks System	**35,190**	**36,240**	**30,860**	**25,650**	**34,600**	**22,350**	**184,890**
Sewage Disposal System	**51,400**	**270,150**	**283,600**	**199,286**	**74,300**	**45,150**	**923,886**
Solid Waste Disposal System	**15,400**	**5,000**	**25,530**	**66,370**	**20,700**	**4,800**	**137,800**
Total Utilities	**101,990**	**311,390**	**339,990**	**291,306**	**129,600**	**72,300**	**1,246,576**
SPECIAL OPERATING AGENCIES							
Winnipeg Golf Services	**150**						**150**
Total Special Operating Agencies	**150**						**150**
TOTAL CAPITAL PROGRAM	**393,149**	**468,354**	**495,490**	**442,198**	**293,744**	**237,357**	**2,330,292**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	BUDGET	FORECAST					2012-2017 6 YEAR
	2012	2013	2014	2015	2016	2017	TOTAL
SUMMARY OF FINANCING SOURCES							
Cash to Capital	69,478	71,478	73,478	75,478	77,478	79,478	446,868
Public Private Partnership Annual Service / Financing Payments	(24,453)	(31,652)	(33,621)	(33,621)	(33,621)	(33,622)	(190,590)
Reserves:							
- Transit Bus Replacement	8,196	6,890	8,149	7,466	8,466	9,630	48,797
- Watermain Renewal	14,400	15,000	16,000	17,000	17,000	17,500	96,900
- Sewer System Rehabilitation	18,200	25,900	25,600	26,400	27,200	28,100	151,400
- Environmental Projects	21,400	25,759	26,320	29,758	17,300	17,300	137,837
- Land Operating	965	965	23,253	965	1,415	965	28,528
- Golf Course	173	23	23	23			242
- Economic Development Investment	500		700	1,100	1,600	2,100	6,000
Interim Financing (Repayment)	3,771		(22,288)		(450)		(18,967)
Contributions from Other Levels of Government:							
- Federal Gas Tax	41,050	40,450	40,450	40,450	40,450	40,450	243,300
- Veterans Affairs Canada	200	150	150	150	150	150	950
- Building Canada Fund (Federal Government)	25,000						25,000
- Manitoba Winnipeg Infrastructure Fund	16,866	16,170	16,166	16,666	16,666	16,666	99,200
- Building Manitoba Fund	10,840	10,840	10,840	10,840	10,840	10,840	65,040
- Provincial Government Funding	27,666	900					28,566
- Provincial Funding for Road Improvements	24,400	22,950	26,150	21,250	28,750	26,500	150,000
Other Funders:							
- Developer Capacity Charges	1,000	500	500	1,375	500		3,875
- Insurance Proceeds		900					900
Retained Earnings - Transit	2,143						2,143
Retained Earnings - Utilities	38,040	56,590	63,390	65,620	59,100	16,300	299,040
Debt	82,664	204,541	220,230	161,278	20,900	5,000	694,613
Transfers from Other Capital Accounts / Surplus Capital	10,650						10,650
TOTAL FINANCING SOURCES	393,149	468,354	495,490	442,198	293,744	237,357	2,330,292

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	BUDGET	FORECAST					2012-2017 6 YEAR
	2012	2013	2014	2015	2016	2017	TOTAL
FINANCING SOURCES							
TAX SUPPORTED							
Cash to Capital	**69,501**	**71,501**	**73,501**	**75,501**	**77,478**	**79,478**	**446,960**
Public Private Partnership Annual Service / Financing Payments	**(24,453)**	**(31,652)**	**(33,621)**	**(33,621)**	**(33,621)**	**(33,622)**	**(190,590)**
Reserves:							
- Transit Bus Replacement	**8,196**	**6,890**	**8,149**	**7,466**	**8,466**	**9,630**	**48,797**
- Economic Development Investment	**500**		**700**	**1,100**	**1,600**	**2,100**	**6,000**
- Sewer System Rehabilitation	**4,300**	**11,300**	**10,300**	**10,300**	**10,300**	**10,300**	**56,800**
- Land Operating	**965**	**965**	**23,253**	**965**	**1,415**	**965**	**28,528**
Interim Financing (Repayment)	**3,771**		**(22,288)**		**(450)**		**(18,967)**
Contributions from Other Levels of Government:							
- Federal Gas Tax	**41,050**	**40,450**	**40,450**	**40,450**	**40,450**	**40,450**	**243,300**
- Veterans Affairs Canada	**200**	**150**	**150**	**150**	**150**	**150**	**950**
- Building Canada Fund (Federal Government)	**25,000**						**25,000**
- Manitoba Winnipeg Infrastructure Fund	**16,866**	**16,170**	**16,166**	**16,666**	**16,666**	**16,666**	**99,200**
- Building Manitoba Fund	**10,840**	**10,840**	**10,840**	**10,840**	**10,840**	**10,840**	**65,040**
- Provincial Government Funding	**27,666**	**900**					**28,566**
- Provincial Funding for Road Improvements	**24,400**	**22,950**	**26,150**	**21,250**	**28,750**	**26,500**	**150,000**
Other Funders:							
- Developer Capacity Charges	**1,000**	**500**	**500**	**1,375**	**500**		**3,875**
- Insurance Proceeds		**900**					**900**
Debt	**68,414**	**5,100**	**1,250**	**(1,550)**	**1,600**	**1,600**	**76,414**
Retained Earnings - Transit	**2,143**						**2,143**
Transfers from Other Capital Accounts / Surplus Capital	**10,650**						**10,650**
Total Tax Supported Including Transit and Municipal Accommodations	**291,009**	**156,964**	**155,500**	**150,892**	**164,144**	**165,057**	**1,083,566**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	BUDGET	FORECAST					2012-2017 6 YEAR
	2012	2013	2014	2015	2016	2017	TOTAL
UTILITIES							
Reserves:							
- Sewer System Rehabilitation	**13,900**	**14,600**	**15,300**	**16,100**	**16,900**	**17,800**	**94,600**
- Watermain Renewal	**14,400**	**15,000**	**16,000**	**17,000**	**17,000**	**17,500**	**96,900**
- Environmental Projects	**21,400**	**25,759**	**26,320**	**29,758**	**17,300**	**17,300**	**137,837**
Retained Earnings - Utilities	**38,040**	**56,590**	**63,390**	**65,620**	**59,100**	**16,300**	**299,040**
Debt	**14,250**	**199,441**	**218,980**	**162,828**	**19,300**	**3,400**	**618,199**
TOTAL UTILITIES	**101,990**	**311,390**	**339,990**	**291,306**	**129,600**	**72,300**	**1,246,576**
SPECIAL OPERATING AGENCIES							
- Cash to Capital	**(23)**	**(23)**	**(23)**	**(23)**			**(92)**
- Golf Course Reserve	**173**	**23**	**23**	**23**			**242**
TOTAL SPECIAL OPERATING AGENCIES	**150**						**150**
TOTAL FINANCING SOURCES	**393,149**	**468,354**	**495,490**	**442,198**	**293,744**	**237,357**	**2,330,292**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
CAPITAL PROJECTS LISTING								
PUBLIC WORKS								
Active Transportation Facilities								
Recreational Walkways and Bike Paths - Various Locations	3-1	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
New Regional Sidewalks	3-3	**250**	**250**	**250**	**250**	**250**	**250**	**1,500**
Active Transportation Corridors	3-4	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Total Active Transportation Facilities		**1,250**	**1,250**	**1,250**	**1,250**	**1,250**	**1,250**	**7,500**
Regional Streets								
Street Improvements								
Traffic Signals Enhancement	3-5	**2,300**						**2,300**
Developer Payback - Various Locations	3-6	**9,300**	**3,000**					**12,300**
Tuxedo Yards Development								
- Economic Development Investment Reserve		**500**		**700**	**1,100**	**1,600**	**2,100**	**6,000**
- Provincial Government Funding		**2,666**						**2,666**
Total Tuxedo Yards Development	3-7	**3,166**		**700**	**1,100**	**1,600**	**2,100**	**8,666**
Kenaston Blvd - Academy Road to Taylor Avenue	3-8		**100**	**100**	**100**	**100**	**100**	**500**
Traffic Engineering Improvements - Various Locations	3-9	**1,050**	**1,150**	**1,250**	**1,250**	**1,250**	**1,250**	**7,200**
Panet Rd / Molson St Twinning - Munroe Ave to Grassie Blvd	3-10		**400**					**400**
Total Street Improvements		**15,816**	**4,650**	**2,050**	**2,450**	**2,950**	**3,450**	**31,366**
Regional and Local Street Renewal								
- Cash to Capital		**8,475**	**16,422**	**26,532**	**24,194**	**27,772**	**30,330**	**133,725**
- Federal Gas Tax		**15,355**	**9,355**	**9,355**	**9,355**	**9,355**	**9,355**	**62,130**
- Provincial Building Manitoba Fund - Roads		**7,000**	**7,000**	**7,000**	**7,000**	**7,000**	**7,000**	**42,000**
Total Regional and Local Street Renewal	3-11	**30,830**	**32,777**	**42,887**	**40,549**	**44,127**	**46,685**	**237,855**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
Waterway Crossings and Grade Separations								
Sturgeon Road Bridge (Sturgeon Creek)								
- Cash to Capital		**5,744**						**5,744**
- Provincial Funding for Road Improvements		**5,733**						**5,733**
Total Sturgeon Road Bridge (Sturgeon Creek)	3-13	**11,477**						**11,477**
Osborne Street Bridge (Assiniboine River)								
- Cash to Capital		**2,621**						**2,621**
- Provincial Funding for Road Improvements		**3,134**						**3,134**
Total Osborne Street Bridge (Assiniboine River)	3-14	**5,755**						**5,755**
CN Mainline (Rivers) Grade Separation								
- Cash to Capital			**500**					**500**
- Provincial Funding for Road Improvements			**500**					**500**
Total CN Mainline (Rivers) Grade Separation	3-15		**1,000**					**1,000**
Louise Bridge (Red River)								
- Cash to Capital				**1,381**	**1,000**			**2,381**
- Provincial Funding for Road Improvements				**1,200**	**1,000**			**2,200**
Total Louise Bridge (Red River)	3-16			**2,581**	**2,000**			**4,581**
CPR Yards Functional Crossing Study - between McPhillips Street and Main Street	3-17		**1,500**				**2,000**	**3,500**
Fermor Avenue Bridge (Seine River)								
- Cash to Capital						**250**	**500**	**750**
- Provincial Funding for Road Improvements						**250**		**250**
Total Fermor Avenue Bridge (Seine River)	3-18					**500**	**500**	**1,000**
Saskatchewan Avenue Culvert (Sturgeon Creek)								
- Cash to Capital						**500**	**1,000**	**1,500**
- Provincial Funding for Road Improvements						**500**		**500**
Total Saskatchewan Avenue Culvert (Sturgeon Creek)	3-19					**1,000**	**1,000**	**2,000**
Pembina Highway Underpass								
- Cash to Capital				**3,500**	**3,150**			**6,650**
- External Debt (Short-term)			**3,500**	**3,150**				**6,650**
- Repayment on Short-term External Debt				**(3,500)**	**(3,150)**			**(6,650)**
- Provincial Funding for Road Improvements			**3,500**	**2,850**				**6,350**
Total Pembina Highway Underpass	3-20		**7,000**	**6,000**				**13,000**
St. James Street Bridge (Omand's Creek)								
- Cash to Capital			**600**	**511**				**1,111**
- Provincial Funding for Road Improvements			**100**	**950**				**1,050**
Total St. James Street Bridge (Omand's Creek)	3-22		**700**	**1,461**				**2,161**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
Ness Avenue Culvert (Sturgeon Creek)								
- Cash to Capital				500	1,000	4,000		5,500
- Provincial Funding for Road Improvements				500	1,000	4,000		5,500
Total Ness Avenue Culvert (Sturgeon Creek)	3-23			1,000	2,000	8,000		11,000
Portage Avenue Bridge (Sturgeon Creek)								
- Cash to Capital		250	250	2,500				3,000
- Provincial Funding for Road Improvements		250	250	2,500				3,000
Total Portage Avenue Bridge (Sturgeon Creek)	3-24	500	500	5,000				6,000
Saskatchewan Avenue Bridge (Omand's Creek)								
- Cash to Capital					250	1,000		1,250
- Provincial Funding for Road Improvements					250	1,000		1,250
Total Saskatchewan Avenue Bridge (Omand's Creek)	3-25				500	2,000		2,500
Lyndale Drive - Retaining Wall Rehabilitation								
- Cash to Capital					250	250	1,500	2,000
- Provincial Funding for Road Improvements					250	250	1,500	2,000
Total Lyndale Drive - Retaining Wall Rehabilitation	3-26				500	500	3,000	4,000
Osborne Street Underpass								
- Cash to Capital					1,250		2,500	3,750
- Provincial Funding for Road Improvements					1,250			1,250
Total Osborne Street Underpass	3-27				2,500		2,500	5,000
St. James Bridge - South Bound	3-28						2,000	2,000
Waterway Crossing and Grade Separations - Annual Program	3-29	2,000	2,500	2,000	2,000	3,000	3,000	14,500
Disraeli Bridge and Overpass Facility								
- Federal Gas Tax		13,800	19,800	19,800	19,800	19,800	19,800	112,800
- Encumbrance Toward Commissioning Payment		(6,100)						(6,100)
- Public Private Partnership Annual Service / Financing Payments		(7,700)	(19,800)	(19,800)	(19,800)	(19,800)	(19,800)	(106,700)
Total Disraeli Bridge and Overpass Facility	3-30							
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	3-32							
Plessis Road Twinning and Grade Separation at CN Rail								
- External Debt		27,000						27,000
- Building Canada Fund (Federal Government)		25,000						25,000
- Provincial Government Funding		25,000						25,000
Total Plessis Road Twinning and Grade Separation at CN Rail	3-33	77,000						77,000
Total Waterway Crossings and Grade Separations		96,732	13,200	18,042	9,500	15,000	14,000	166,474

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
New Transportation Facilities								
Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd								
- Cash to Capital		**2,869**	**2,869**	**2,869**	**2,869**	**2,869**	**2,869**	**17,214**
- Federal Gas Tax		**5,415**	**5,415**	**5,415**	**5,415**	**5,415**	**5,415**	**32,490**
- Public Private Partnership Annual Service / Financing Payments		**(8,284)**	**(8,284)**	**(8,284)**	**(8,284)**	**(8,284)**	**(8,284)**	**(49,704)**
Total Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd	3-34							
Total New Transportation Facilities								
Other Streets Projects								
Asset Management System - Various Divisions	3-36	**549**	**405**	**405**			**100**	**1,459**
Land Drainage Sewers - Regional / Local Streets	3-37	**300**	**150**	**150**	**150**	**150**	**150**	**1,050**
Land Acquisition - Transportation Right of Way								
- Cash to Capital		**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
- Transfer from Prior Years' Surplus		**1,550**						**1,550**
Total Land Acquisition - Transportation Right of Way	3-38	**1,850**	**300**	**300**	**300**	**300**	**300**	**3,350**
Sand / Salt Storage Facility								
- Cash to Capital		**357**						**357**
- Transfer from Prior Years' Surplus		**2,143**						**2,143**
Total Sand / Salt Storage Facility	3-39	**2,500**						**2,500**
Total Other Streets Projects		**5,199**	**855**	**855**	**450**	**450**	**550**	**8,359**
TOTAL STREETS PROJECTS		**149,827**	**52,732**	**65,084**	**54,199**	**63,777**	**65,935**	**451,554**
Parks and Open Space								
Reforestation - Improvements	3-40	**387**	**383**	**383**	**383**	**383**	**383**	**2,302**
Athletic Fields - Improvements	3-41		**200**	**200**	**124**	**200**	**200**	**924**
Parks - Improvements	3-42	**817**	**677**	**653**	**655**	**655**	**655**	**4,112**
Regional and Community Parks - Buildings	3-43					**2,150**		**2,150**
Playground Structures	3-44	**1,800**	**1,800**	**1,800**	**1,800**	**1,800**	**1,800**	**10,800**
Hardsurface Upgrading	3-45		**150**	**150**		**150**	**150**	**600**
Community Park Amenities	3-46	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**9,000**
Insect Control - Information System	3-47				**1,250**			**1,250**
Total Parks and Open Space		**4,504**	**4,710**	**4,686**	**5,712**	**6,838**	**4,688**	**31,138**
TOTAL PUBLIC WORKS		**154,331**	**57,442**	**69,770**	**59,911**	**70,615**	**70,623**	**482,692**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
LOCAL IMPROVEMENTS - Ongoing Program								
- Cash to Capital			400	400	400	400	400	2,000
- External Debt			1,600	1,600	1,600	1,600	1,600	8,000
TOTAL LOCAL IMPROVEMENTS	3-48		2,000	2,000	2,000	2,000	2,000	10,000
COMMUNITY SERVICES								
Community Incentive Grant Program	3-49	1,538	1,569	1,600	1,632	1,665	1,698	9,702
Library Shelving and Furniture Replacement Program	3-50	200	200	200	200	200	300	1,300
Library Replacement - New Infrastructure	3-51		5,500					5,500
Renovate and Refurbish Various Library Branches Program - Existing Infrastructure	3-52	500	1,000	1,500		500	500	4,000
Library Technology Upgrade and Replacement Program	3-53		250	500	500	500	500	2,250
Recreational Facility Safety and Accessibility Improvements Program	3-54	400	400	500	500	600	600	3,000
Library Signage, Safety and Accessibility Program	3-55	200	200	200	200	200	200	1,200
Business Application Systems	3-56		250				250	500
Recreation Equipment Program	3-57				400		400	800
Technology Upgrade and Replacement Program	3-58			250				250
Recreation Facility Replacement - New Infrastructure	3-59				2,800	2,600	1,700	7,100
Recreation Refurbishment and Redevelopment Program- Existing Infrastructure	3-60	3,486				1,500		4,986
East Elmwood Community Centre								
- City (Insurance Proceeds)			900					900
- Provincial Government Funding			900					900
Total East Elmwood Community Centre	3-61		1,800					1,800
Community Centre Renovation Incentive Grant Program (CCRIGP)								
- Land Operating Reserve	3-62	965	965	965	965	965	965	5,790
Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability (formerly Assiniboine Park Conservancy (APC) - Upgrades and Improvements)	3-63	5,123	5,123	5,123	5,123	5,123	5,123	30,738
Assiniboine Park Conservancy (APC) - Capital Development Plan	3-64	4,500	4,500	4,500	4,500	4,500	4,500	27,000
Improve Access to 765 Keewatin - Sir William Stephenson Library	3-65						281	281
TOTAL COMMUNITY SERVICES		16,912	21,757	15,338	16,820	18,353	17,017	106,197

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
WINNIPEG POLICE SERVICE								
Winnipeg Police Service Communications Systems	3-66	**2,200**						**2,200**
Communications New Phone System	3-67		**1,490**					**1,490**
Next Generation 911	3-68				**1,900**			**1,900**
Trunk Radio System	3-69					**7,200**		**7,200**
Automated Fingerprint Identification System (AFIS) Replacement	3-70		**321**					**321**
In Car Computing (formerly Mobile Laptops)	3-71		**1,200**					**1,200**
Officer Mobile Video System	3-72					**1,000**		**1,000**
Radio Upgrade for Districts 3 and 4	3-73					**500**		**500**
Computer Assisted Dispatch	3-74				**2,000**			**2,000**
Police Division's Systems Upgrades	3-75	**150**	**1,273**	**3,743**	**2,286**	**300**	**500**	**8,252**
West Station Information Technology Requirements	3-77	**500**						**500**
North Station Information Technology Requirements	3-78			**500**				**500**
Police Building Replacement - First charge on 2012 Capital Budget, $510,000 (Council October 19, 2011)								
- Cash to Capital		**4,991**	**2,090**	**4,059**	**4,059**	**4,059**	**4,060**	**23,318**
- Public Private Partnership Lease Payments		**(891)**	**(2,090)**	**(4,059)**	**(4,059)**	**(4,059)**	**(4,060)**	**(19,218)**
Total Police Building Replacement	3-79	**4,100**						**4,100**
Winnipeg Police Headquarters Redevelopment								
- Cash to Capital		**1,400**	**5,600**					**7,000**
- Interim Financing from General Capital Fund (Repayment)				**(18,967)**				**(18,967)**
- Land Operating Reserve				**18,967**				**18,967**
Total Winnipeg Police Headquarters Redevelopment	3-80	**1,400**	**5,600**					**7,000**
Bomb Magazine Storage Facility								
- Transfer from Prior Authorization (2010 Aerial Support Unit)	3-82	**372**						**372**
Building Video Surveillance Systems	3-83						**4,000**	**4,000**
Communication Centre Back Up Site Upgrade	3-84						**400**	**400**
Card Access	3-85			**400**				**400**
TOTAL WINNIPEG POLICE SERVICE		**8,722**	**9,884**	**4,643**	**6,186**	**9,000**	**4,900**	**43,335**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
FIRE PARAMEDIC SERVICE								
Facilities Replacement and Relocation Program	3-86		5,000	858	3,000		4,000	12,858
Replacement Radio System	3-87				2,000	4,000		6,000
TOTAL FIRE PARAMEDIC SERVICE			5,000	858	5,000	4,000	4,000	18,858
PLANNING, PROPERTY AND DEVELOPMENT								
Computer Automation	3-88		200	200		200	120	720
Riverbank Greenway Programs	3-89	400	381	400	400	443	405	2,429
Cemeteries - Improvements								
- Cash to Capital		300	300	200	260	232	258	1,550
- Veterans Affairs Canada		200	150	150	150	150	150	950
Total Cemeteries - Improvements	3-90	500	450	350	410	382	408	2,500
Downtown Enhancement Program	3-91	400	400	400	400	400	400	2,400
Community Image and Neighborhood Main Streets	3-92	489	400	400	400	400	400	2,489
Public Art Strategy	3-93	500	500	500	500	500	500	3,000
Land Acquisition for General Unspecified Purposes	3-94	200	300		300	300	300	1,400
Developer Payback	3-95	290	210	380	245	275	280	1,680
Weather Protected Walkway System	3-96	194						194
Riverbank Stabilization - Physical Asset Protection								
- Cash to Capital			1,000	1,000	1,000	1,000	1,000	5,000
- Manitoba Winnipeg Infrastructure Fund (MWIF)		1,000						1,000
Total Riverbank Stabilization - Physical Asset Protection	3-97	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	1,250			4,250
- Manitoba Winnipeg Infrastructure Fund (MWIF)		1,000	1,000	1,000	1,250			4,250
Total Building Communities Initiative II	3-99	2,000	2,000	2,000	2,500			8,500
Building Communities Initiative III								
- Cash to Capital						1,050	1,060	2,110
- Manitoba Winnipeg Infrastructure Fund (MWIF)						1,050	1,060	2,110
Total Building Communities Initiative III	3-100					2,100	2,120	4,220
TOTAL PLANNING, PROPERTY AND DEVELOPMENT		5,973	5,841	5,630	6,155	6,000	5,933	35,532

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
MUNICIPAL ACCOMMODATIONS								
General Building Renovation and Refurbishing	3-101	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Accommodation Facilities	3-102	**1,100**	**2,200**	**1,830**	**2,100**	**1,239**	**2,251**	**10,720**
Fire / Life Safety / Regulatory Upgrades	3-103	**549**	**525**	**1,014**	**725**	**625**	**710**	**4,148**
Energy Conservation	3-104	**400**	**150**	**200**	**100**	**100**	**150**	**1,100**
Tenant Improvement Prepayment - Major Department	3-105	**500**			**200**	**200**	**180**	**1,080**
Historic Buildings	3-106	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Generator Set Replacement and Upgrades	3-107		**800**		**200**		**200**	**1,200**
Security / Building Automation System Initiatives	3-108	**125**	**225**	**225**	**225**	**140**	**188**	**1,128**
Community Centres - Refurbishing and Improvements	3-109	**500**	**500**	**700**	**700**	**700**	**620**	**3,720**
Arenas	3-110	**525**	**525**	**525**	**525**	**525**	**525**	**3,150**
Indoor Aquatic Facilities	3-111	**2,530**	**2,530**	**2,530**	**2,530**	**2,530**	**2,530**	**15,180**
Outdoor Aquatic Facilities	3-112	**350**	**350**	**330**	**330**	**350**	**342**	**2,052**
Community Facilities	3-113	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Building Asset / Work Management Program	3-114	**100**	**100**	**200**	**200**	**162**	**152**	**914**
UFF - Hockey Pen Light Standard Replacement	3-115	**100**	**100**	**100**	**100**	**100**	**100**	**600**
City-Wide Accessibility Program	3-116	**350**	**350**	**350**	**350**	**350**	**350**	**2,100**
Emergency Repair / Replacement of the Cooling Plant - 510 Main Street - First charge on 2012 Capital Budget, $1.8 million (Council September 28, 2011)								
- Transfer from Departmental Non-specified Capital Account	3-117	**1,800**						**1,800**
East Yard Complex Development								
- Interim Financing from Land Operating Reserve (Repayment)		**3,771**		**(3,321)**		**(450)**		
- Land Operating Reserve				**3,321**		**450**		**3,771**
- Transfer from Prior Years' Surplus		**4,335**						**4,335**
- External Debt		**41,414**						**41,414**
Total East Yard Complex Development	3-118	**49,520**						**49,520**
TOTAL MUNICIPAL ACCOMMODATIONS		**59,349**	**9,255**	**8,904**	**9,185**	**7,921**	**9,198**	**103,812**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
CITY CLERKS								
Corporate Records Centre	3-119	**150**					**150**	**300**
Election Systems	3-120		**150**	**200**			**200**	**550**
City Archives	3-121	**500**	**500**	**500**	**500**			**2,000**
TOTAL CITY CLERKS		**650**	**650**	**700**	**500**		**350**	**2,850**
CORPORATE SUPPORT SERVICES								
PeopleSoft Upgrade	3-122	**1,000**	**200**				**2,500**	**3,700**
Communications Network Infrastructure	3-123	**593**	**277**	**541**	**566**	**553**	**506**	**3,036**
Enterprise Computing Initiatives	3-124	**630**	**613**	**717**	**515**	**585**	**844**	**3,904**
E-Government	3-125		**229**	**150**	**300**	**200**	**250**	**1,129**
Data Warehouse / Business Intelligence	3-126		**169**	**153**	**218**	**203**	**149**	**892**
311 Renewal	3-127		**300**	**646**	**729**	**335**	**402**	**2,412**
PSB Fibre Relocate	3-128		**300**					**300**
Teraspan Fibre Ring Renewal	3-129			**400**	**800**			**1,200**
TOTAL CORPORATE SUPPORT SERVICES		**2,223**	**2,088**	**2,607**	**3,128**	**1,876**	**4,651**	**16,573**
ASSESSMENT AND TAXATION								
Assessment Automation	3-130	**500**			**750**	**500**	**350**	**2,100**
OTHER PROJECTS								
City-Wide Asset Management Initiative	3-131	**100**						**100**
TOTAL OTHER PROJECTS		**100**						**100**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 6 YEAR TOTAL
TRANSIT								
Innovative Transit Program	3-132	**250**	**800**	**800**	**800**	**1,000**	**1,000**	**4,650**
Transit Building Replacement / Refurbishment - First charge on 2012 Capital Budget, $9.409 million (Council February 22, 2011)								
- Cash to Capital		**2,350**	**8,787**	**11,283**	**4,585**	**4,171**	**4,171**	**35,347**
- Federal Gas Tax / Interest		**6,059**	**601**	**286**				**6,946**
- Retained Earnings		**1,000**						**1,000**
Total Transit Building Replacement / Refurbishment	3-133	**9,409**	**9,388**	**11,569**	**4,585**	**4,171**	**4,171**	**43,293**
Transit Buses								
- Cash to Capital					**1,361**	**4,664**	**4,664**	**10,689**
- Transit Bus Replacement Reserve		**8,196**	**6,890**	**8,149**	**7,466**	**8,466**	**9,630**	**48,797**
- Provincial Building Manitoba Fund		**3,840**	**3,840**	**3,840**	**3,840**	**3,840**	**3,840**	**23,040**
- Federal Gas Tax		**421**	**5,279**	**5,594**	**5,880**	**5,880**	**5,880**	**28,934**
- Retained Earnings		**1,043**						**1,043**
Total Transit Buses	3-134	**13,500**	**16,009**	**17,583**	**18,547**	**22,850**	**24,014**	**112,503**
Rapid Transit Planning and Design								
- Cash to Capital		**550**						**550**
- Transfer from Prior Years' Surplus		**450**						**450**
Total Rapid Transit Planning and Design	3-135	**1,000**						**1,000**
Asset Management Program								
- Cash to Capital		**200**						**200**
- Retained Earnings		**100**						**100**
Total Asset Management Program	3-136	**300**						**300**
TOTAL TRANSIT		**24,459**	**26,197**	**29,952**	**23,932**	**28,021**	**29,185**	**161,746**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	FORECAST 2014	FORECAST 2015	FORECAST 2016	FORECAST 2017	2012-2017 6 YEAR TOTAL
WATER AND WASTE - TAX SUPPORTED								
Land Drainage and Flood Control								
Financed by Cash to Capital:								
Stormwater Retention Basin Rehabilitation	3-137		300		400		400	1,100
Flood Pumping Station Rehabilitation	3-138	300	1,000	900	1,500	1,000	1,000	5,700
Land Drainage and Combined Sewers Outfall Gate Structures	3-139	300	800	600	1,500	1,400	1,500	6,100
Floodplain Management	3-140	300	100	100		100		600
Seine River Waterway Acquisition	3-141	150	150	150	150	150	150	900
Primary Dike Upgrading	3-142	2,190			900	900	1,500	5,490
Land Drainage Safety Upgrading Program	3-143			100				100
Land Drainage Asset Management Strategy	3-144			200				200
Land Drainage Utility Study and Implementation	3-145		500					500
Permanent Flood Pumping Stations	3-146	150						150
Flood Manual Upgrades	3-147		800	948				1,748
Land Drainage Supervisory Control and Data Acquisition (SCADA) System	3-148	100	100	100				300
Outfall Rehabilitation	3-149	1,750	1,300	1,200	1,200	1,508	2,000	8,958
Financed by Sewer System Rehabilitation Reserve:								
Combined Sewer Flood Relief	3-150	4,000	11,000	10,000	10,000	10,000	10,000	55,000
Flood Relief Sewers - Separate	3-151	300	300	300	300	300	300	1,800
Financed by Developer Capacity Charges:								
Development Agreement Paybacks	3-152	1,000	500	500	500	500		3,000
Fernbank Avenue Land Drainage Sewer	3-153				875			875
Total Land Drainage and Flood Control		10,540	16,850	15,098	17,325	15,858	16,850	92,521
Garbage Collection								
Financed by Cash to Capital:								
Comprehensive Integrated Waste Management Strategy (CIWMS) - Provision of Automated Refuse Collection Carts - First charge on 2012 Capital Budget $7.25 million (Council October 19, 2011)	3-154	7,250						7,250
TOTAL WATER AND WASTE - TAX SUPPORTED		17,790	16,850	15,098	17,325	15,858	16,850	99,771

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	FORECAST 2014	FORECAST 2015	FORECAST 2016	FORECAST 2017	2012-2017 6 YEAR TOTAL
WATER WORKS SYSTEM								
Water Works System - Supply and Treatment								
Financed by Waterworks Retained Earnings:								
Shoal Lake Aqueduct and Falcon River Diversion Bridges	3-155	**1,000**	**1,000**					**2,000**
Shoal Lake Aqueduct Asset Preservation	3-156	**1,300**	**800**	**800**	**500**	**500**	**500**	**4,400**
Shoal Lake Aqueduct Intake Facility Rehabilitation	3-157	**1,200**	**1,300**	**5,200**				**7,700**
Aqueduct Information Management System	3-158		**200**					**200**
Branch I Aqueduct at Seine River - Riverbank Stabilization (east side)	3-159	**400**	**1,000**					**1,400**
Branch Aqueduct Condition Assessment and Rehabilitation	3-160		**500**	**500**	**1,000**		**1,000**	**3,000**
GWWD Railway Bridge Rehabilitation	3-161	**300**	**1,000**	**400**				**1,700**
Water Treatment Plant Upgrading	3-162	**140**		**900**		**10,000**		**11,040**
Water Treatment Research and Process Optimization Facility	3-163	**900**						**900**
Ultraviolet Light Disinfection Upgrade / Rehabilitation	3-164	**250**				**4,000**		**4,250**
Deacon Reservoir Cell Rehabilitation Project	3-165	**750**						**750**
Deacon Site Flood Protection	3-166			**560**				**560**
McPhillips Reservoir Slope Stabilization	3-167		**120**					**120**
Tache Booster Pumping Station	3-168	**500**	**3,000**	**1,800**				**5,300**
Pumping Stations Reliability Upgrades	3-169	**1,200**	**1,000**	**1,000**				**3,200**
Pumping Stations Structural Upgrades	3-170		**500**					**500**
Chlorination Upgrading at Pumping Stations (formerly Chlorination Decommission at Regional Pump Stations)	3-171			**1,000**				**1,000**
Water Services Division Operations Accreditation	3-172		**500**					**500**
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	3-173	**2,000**	**1,000**					**3,000**
Waterworks System Security Upgrades	3-174	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
General Water Infrastructure Rehabilitation	3-175			**500**	**500**	**1,000**	**1,000**	**3,000**
Regulatory Assessment of Water System Infrastructure and Supply Sources	3-176				**650**			**650**
North End Water Pollution Control Centre (NEWPCC) - Environmental Services Laboratory Facility Upgrading	3-177						**250**	**250**
Total Water Works System - Supply and Treatment		**10,440**	**12,420**	**13,160**	**3,150**	**16,000**	**3,250**	**58,420**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	FORECAST 2014	FORECAST 2015	FORECAST 2016	FORECAST 2017	2012-2017 6 YEAR TOTAL
Water Works System - Distribution								
Financed by Waterworks Retained Earnings:								
Midtown Feedermain	3-178	**5,000**						**5,000**
Saskatchewan Avenue Watermain	3-179				**4,400**			**4,400**
Waverley West Feedermain	3-180		**6,800**					**6,800**
Feedermain Condition Assessment and Rehabilitation	3-181	**500**	**500**	**1,000**	**1,000**	**1,000**	**1,000**	**5,000**
Public Water Outlets	3-182		**400**	**600**				**1,000**
Water Utility Asset Management Strategy	3-183	**200**						**200**
Water and Waste Department GIS Enhancement Program	3-184		**100**	**100**	**100**	**100**	**100**	**500**
Hydrant and Valve Operations Management Systems	3-185	**180**	**270**					**450**
Water Supply Valve Installation / Replacement Program	3-186	**750**	**750**			**500**	**500**	**2,500**
Meter Infrastructure Project	3-187	**3,720**						**3,720**
Watermain Renewals								
- Watermain Renewal Reserve	3-188	**14,400**	**15,000**	**16,000**	**17,000**	**17,000**	**17,500**	**96,900**
Total Water Works System - Distribution		**24,750**	**23,820**	**17,700**	**22,500**	**18,600**	**19,100**	**126,470**
TOTAL WATERWORKS SYSTEM (Utility Supported)		**35,190**	**36,240**	**30,860**	**25,650**	**34,600**	**22,350**	**184,890**

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SEWAGE DISPOSAL SYSTEM								
Sewage Disposal System - Treatment								
Financed by Sewage Disposal System Retained Earnings:								
Wastewater System Security Upgrades	3-189	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
North End Water Pollution Control Centre (NEWPCC) - Centrifuge Replacement	3-190	**3,000**	**3,000**	**3,000**				**9,000**
NEWPCC - Digester Rehabilitation Project	3-191	**1,000**	**1,000**	**1,000**	**1,000**			**4,000**
NEWPCC - Grit Handling Upgrades	3-192	**1,000**		**6,300**	**6,600**	**5,000**		**18,900**
NEWPCC - Holding Tanks Restoration	3-193		**2,550**					**2,550**
NEWPCC - New Discharge Chamber	3-194	**500**		**5,000**	**10,000**			**15,500**
NEWPCC - New Surgewell	3-195	**1,000**	**4,000**	**9,000**				**14,000**
NEWPCC - Primary Clarifier Covers	3-196		**500**		**25,000**			**25,500**
NEWPCC - Raw Sewage Pump Replacement	3-197		**1,000**	**9,300**				**10,300**
NEWPCC - Secondary Clarifiers Refurbishment	3-198	**500**	**500**	**500**				**1,500**
NEWPCC - Upgrading External Power Supply	3-199		**5,000**	**4,000**		**15,000**		**24,000**
NEWPCC - Environmental Services Laboratory Facility Upgrading	3-200						**250**	**250**
Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) Upgrades	3-201	**1,000**	**1,000**					**2,000**
WPCC - Flood Mitigation	3-202	**150**	**200**					**350**
WPCC - Hauled Liquid Waste Acceptance Facility	3-203		**3,000**					**3,000**
WPCC - Reliability Upgrades	3-204	**2,000**	**5,000**	**5,000**	**5,000**	**5,000**	**5,000**	**27,000**
WPCC - Re-roofing	3-205		**400**		**400**		**400**	**1,200**
Environmental Impact Statement and Public Hearings - Environmental Projects Reserve	3-206	**200**	**100**	**100**	**100**	**100**	**100**	**700**
Biosolids - Alternative Disposal Delivery and Management System								
- Environmental Projects Reserve		**5,000**	**3,459**	**5,020**	**9,172**			**22,651**
- External Debt			**46,541**	**44,980**	**32,828**			**124,349**
Total Biosolids - Alternative Disposal Delivery and Management System	3-207	**5,000**	**50,000**	**50,000**	**42,000**			**147,000**
NEWPCC - Nutrient Removal								
- Environmental Projects Reserve			**5,000**	**5,000**	**4,286**			**14,286**
- External Debt			**150,000**	**150,000**	**65,000**			**365,000**
Total Nutrient Removal - NEWPCC	3-208		**155,000**	**155,000**	**69,286**			**379,286**
Total Sewage Disposal System - Treatment		**15,850**	**232,750**	**248,700**	**159,886**	**25,600**	**6,250**	**689,036**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	FORECAST 2014	FORECAST 2015	FORECAST 2016	FORECAST 2017	2012-2017 6 YEAR TOTAL
Sewage Disposal System - Collection								
Financed by Sewage Disposal System Retained Earnings:								
Arc Flash Hazard Analysis and Remediation	3-209	**750**						**750**
Lift Stations Upgrading	3-210	**2,000**	**1,500**	**1,500**	**1,000**	**1,000**	**1,000**	**8,000**
Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development	3-211		**2,000**					**2,000**
Fernbank Interceptor	3-212					**8,000**		**8,000**
Waverley West Interceptor Sewer	3-213	**700**						**700**
Warde Interceptor Extension	3-214					**3,200**		**3,200**
River Crossings Monitoring and Rehabilitation	3-215	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**7,800**
Sewer System Isolation in Areas Protected by Secondary Dikes	3-216				**1,000**	**1,000**		**2,000**
Wastewater Collection System Asset Management Strategy	3-217		**200**					**200**
Wastewater Collection System Buildings Re-Roofing	3-218	**300**			**300**			**600**
Wastewater Collection System Reliability	3-219	**400**			**400**			**800**
Water and Waste Department GIS Enhancement Program	3-220		**100**	**100**	**100**	**100**	**100**	**500**
Inflow / Infiltration / Cross-Connection Study and Mitigation	3-221		**500**	**500**	**3,000**		**1,500**	**5,500**
Combined Sewer Overflow (CSO) Management Strategy and Miscellaneous Mitigation - Environmental Projects Reserve	3-222	**16,200**	**17,200**	**16,200**	**16,200**	**17,200**	**17,200**	**100,200**
Sewer Renewals - Sewer System Rehabilitation Reserve	3-223	**13,900**	**14,600**	**15,300**	**16,100**	**16,900**	**17,800**	**94,600**
Total Sewage Disposal System - Collection		**35,550**	**37,400**	**34,900**	**39,400**	**48,700**	**38,900**	**234,850**
TOTAL SEWAGE DISPOSAL SYSTEM		**51,400**	**270,150**	**283,600**	**199,286**	**74,300**	**45,150**	**923,886**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	FORECAST 2014	FORECAST 2015	FORECAST 2016	FORECAST 2017	2012-2017 6 YEAR TOTAL
SOLID WASTE DISPOSAL SYSTEM								
Solid Waste Disposal System - Landfill								
Financed by Solid Waste Disposal Retained Earnings:								
Brady Landfill - Cell Excavation	3-224		**1,300**	**1,330**	**1,370**	**1,400**	**1,400**	**6,800**
Summit Landfill Closure / Post-Closure	3-225	**400**	**400**					**800**
Summit Landfill Leachate Collection Assessment	3-226		**200**					**200**
Miscellaneous Land Acquisition	3-227	**500**		**200**				**700**
Closed Landfills Disposition Study	3-228		**200**					**200**
Comprehensive Integrated Waste Management Strategy (CIWMS) - Consulting Support for System Transition - First charge on 2012 Capital Budget $400,000 (Council October 19, 2011) - External Debt	3-229	**400**	**200**	**200**				**800**
Brady Landfill - Drainage, Roadways and Site Improvements - External Debt	3-230	**2,500**						**2,500**
CIWMS - Brady Landfill - Industrial, Commercial, Institutional (ICI) and Construction and Demolition (C & D) Diversion - External Debt	3-231					**4,500**		**4,500**
Total Solid Waste Disposal System - Landfill		**3,800**	**2,300**	**1,730**	**1,370**	**5,900**	**1,400**	**16,500**
Solid Waste Disposal System - Collection								
Financed by Solid Waste Disposal External Debt								
CIWMS - Community Resource Recovery Facilities - (South and North)	3-232		**2,700**	**3,400**				**6,100**
CIWMS - Community Resource Recovery Facilities - (West and East)	3-233					**3,400**	**3,400**	**6,800**
CIWMS - Material Recycling Facility	3-234			**20,000**				**20,000**
CIWMS - Organics (Yard Waste) Composting Facility	3-235	**2,000**						**2,000**
CIWMS - Source Separated Organics	3-236			**400**	**65,000**	**11,400**		**76,800**
CIWMS - Provision of Automated Recycling Collection Carts - First charge on 2012 Capital Budget $9.35 million (Council October 19, 2011)	3-237	**9,350**						**9,350**
Garbage and Recycling Cart Asset Management - Retained Earnings	3-238	**250**						**250**
Total Solid Waste Disposal System - Collection		**11,600**	**2,700**	**23,800**	**65,000**	**14,800**	**3,400**	**121,300**
TOTAL SOLID WASTE DISPOSAL SYSTEM		**15,400**	**5,000**	**25,530**	**66,370**	**20,700**	**4,800**	**137,800**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	FORECAST 2014	FORECAST 2015	FORECAST 2016	FORECAST 2017	2012-2017 6 YEAR TOTAL
SPECIAL OPERATING AGENCIES								
WINNIPEG GOLF SERVICES								
Golf Course Improvements								
- Cash to Capital		**(23)**	**(23)**	**(23)**	**(23)**			**(92)**
- Golf Course Reserve		**173**	**23**	**23**	**23**			**242**
TOTAL WINNIPEG GOLF SERVICES	3-239	**150**						**150**
TOTAL SPECIAL OPERATING AGENCIES		**150**						**150**

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The City of Winnipeg

Capital Projects Detail

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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: 183200XX12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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
Provincial Funding for Road Improvements	3,920							-	-

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	26	30	30
Less:			
Operating expenditures increase/(decrease)	2	4	6
Debt and finance charges increase			
Transfer to General Capital Fund	500	500	500
SURPLUS/(DEFICIT)	(476)	(474)	(476)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

New Recreational Pathways have an expected service life of 25 years.

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

***Recreational Walkways and Bike Paths (continued)**:*

The following projects also include funding in the estimated amounts shown for Active Transportation facilities:

Project	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**Total**
Osborne Street Bridge; - 1.8 m wide shoulders on both sides of the bridge, wider sidewalks with rail separation on the bridge and road widening south of the bridge - Installation of a half-signal street level crossing on Osborne Street between Assiniboine Avenue and Mostyne Place.	800						800
Disraeli Bridge; - a separate, new active transportation bridge crossing the Red River.		15,000					15,000
Chief Peguis Trail; - streetscaping and multi-use pathways and pedestrian overpass for Northeast Pioneers Greenway.	1,065						1,065
Pembina Highway Underpass; - widen sidewalk from 1.8 meters - 3.0 to 3.5 meters.			1,000				1,000
Regional Street Renewals;							
Pembina Hwy SB - University to Markham		1,900					1,900
Lagimodiere Blvd NB - Cottonwood to Maginot - paved shoulders		370					370
Pembina Hwy SB - Bairdmore North to Kirkbridge			2,400				2,400
Pembina Hwy SB - Jubilee to McGillivray			2,400				2,400
Lagimodiere Blvd NB - Maginot to Dugald - paved shoulders		370					370
	1,865	**17,640**	**5,800**	**-**	**-**		**25,305**

Project Name: **New Regional Sidewalks**

Department: Public Works
Project: 183200XX12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	13	15	15
Less:			
Operating expenditures increase/(decrease)	2	4	6
Debt and finance charges increase			
Transfer to General Capital Fund	250	250	250
SURPLUS/(DEFICIT)	(239)	(239)	(241)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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

New Regional Sidewalks have an expected service life of 35 years.

* 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: 183200XX12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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
Provincial Funding for Road Improvements	280							-	-

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	26	30	30
Less:			
Operating expenditures increase/(decrease)	50	100	150
Debt and finance charges increase			
Transfer to General Capital Fund	500	500	500
SURPLUS/(DEFICIT)	(524)	(570)	(620)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Promotion and development of Active Transportation Corridors.

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

Project Name: **Traffic Signals Enhancement**

Department: Public Works
Project: 183400XX12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	9,700	2,300		-	-	-	-	-	2,300
Financed by:									
Cash to Capital		2,300						-	2,300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,955	345	-	-	-	-	-	2,300
Financed by:								
Cash to Capital	1,955	345						2,300

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	117	21	
Less:			
Operating expenditures increase/(decrease)	10	10	10
Debt and finance charges increase			
Transfer to General Capital Fund	2,300		
SURPLUS/(DEFICIT)	(2,193)	11	(10)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: 180700xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	9,300	3,000	-	-	-	-	3,000	12,300
Financed by:									
Cash to Capital		9,300	3,000					3,000	12,300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	9,300	3,000	-	-	-	-	-	12,300
Financed by:								
Cash to Capital	9,300	3,000						12,300

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	279	90	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Fund	9,300	3,000	
SURPLUS/(DEFICIT)	(9,021)	(2,910)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital*

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:	2012	2013	2014	2015	2016	2017	Total
Plessis Road twinning	9,300						9,300
Bison Drive and Waverley Street intersection		3,000					3,000
	9,300	**3,000**	**-**	**-**	**-**	**-**	**12,300**

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

** Authorizations 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,784	3,166		700	1,100	1,600	2,100	5,500	8,666
Financed by:									
Economic Development Investment Reserve	450	500		700	1,100	1,600	2,100	5,500	6,000
Provincial Government Funding	5,334	2,666						-	2,666

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	3,166	-	700	1,100	1,600	2,100	10,261	18,927
Financed by:								
Economic Development Investment Reserve	500		700	1,100	1,600	2100	10,261	16,261
Provincial Government Funding	2,666							2,666

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	9		
Less:			
Operating expenditures increase/(decrease)	20	20	20
Debt and finance charges increase		29	29
Transfer to General Capital			
SURPLUS/(DEFICIT)	(11)	(49)	(49)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital*

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 $14 million 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 $14 million 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,000	-	100	100	100	100	100	500	500
Financed by:									
Cash to Capital			100	100	100	100	100	500	500

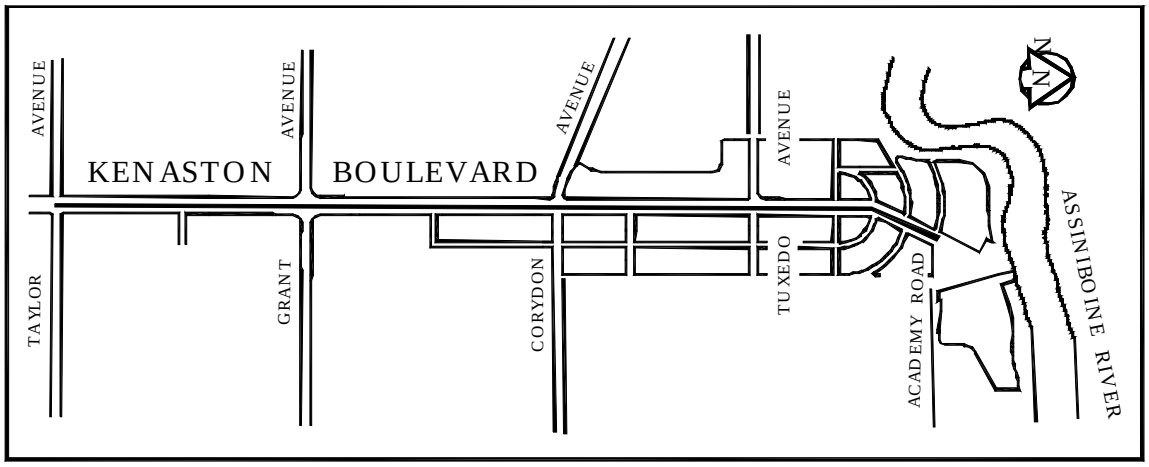
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	85	100	100	100	100	15	500
Financed by:								
Cash to Capital		85	100	100	100	100	15	500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		5	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		100	100
SURPLUS/(DEFICIT)	-	(95)	(94)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

Due to available unspent program balances, no program authorization is required in 2012.



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

Department: Public Works
Project: 183100xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,050	1,150	1,250	1,250	1,250	1,250	6,150	7,200
Financed by:									
Cash to Capital		1,050	1,150	1,250	1,250	1,250	1,250	6,150	7,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	893	1,135	1,235	1,250	1,250	1,250	187	7,200
Financed by:								
Cash to Capital	893	1,135	1,235	1,250	1,250	1,250	187	7,200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	54	68	74
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	1,050	1,150	1,250
SURPLUS/(DEFICIT)	(996)	(1,082)	(1,176)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

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

Project Name: **Panet Rd / Molson St Twinning - Munroe Ave to Grassie Blvd**

Department: Public Works
Project: 180300xx13

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

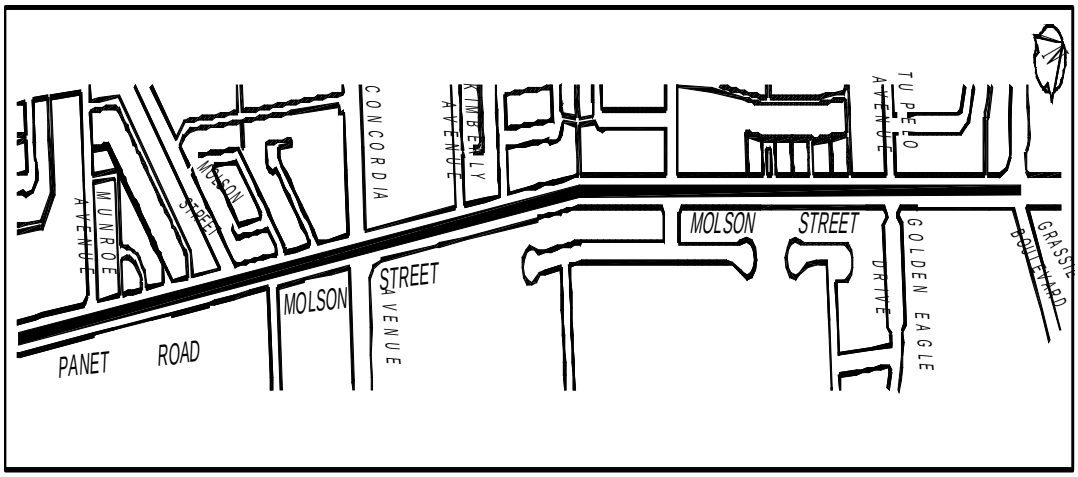
AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	400	-	-	-	-	400	400
Financed by:									
Cash to Capital			400					400	400

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	340	60	-	-	-	-	400
Financed by:								
Cash to Capital		340	60					400

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		20	4
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		400	
SURPLUS/(DEFICIT)	-	(380)	4

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Funding in 2013 of $400,000 for a preliminary design. Class 4 estimated project cost in $2011's is $18,500,000.



Project Name: **Regional and Local Street Renewal**

Department: Public Works
Project: 180400xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	30,830	32,777	42,887	40,549	44,127	46,685	207,025	237,855
Financed by:									
Cash to Capital		8,475	16,422	26,532	24,194	27,772	30,330	125,250	133,725
Federal Gas Tax		15,355	9,355	9,355	9,355	9,355	9,355	46,775	62,130
Provincial Building Manitoba Fund - Roads		7,000	7,000	7,000	7,000	7,000	7,000	35,000	42,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	29,559	31,585	41,370	40,900	43,590	46,301	4,550	237,855
Financed by:								
Cash to Capital	7,204	15,230	25,015	24,545	27,235	29,946	4,550	133,725
Federal Gas Tax	15,355	9,355	9,355	9,355	9,355	9,355		62,130
Provincial Building Manitoba Fund - Roads	7,000	7,000	7,000	7,000	7,000	7,000		42,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	1,774	1,896	2,482
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	8,475	16,422	26,532
SURPLUS/(DEFICIT)	(6,701)	(14,526)	(24,050)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The Regional and Local Street Renewal 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.

This program also includes funding for improving granular surface roadways that are functioning as collector-type streets and/or have significant traffic volumes and will focus on Type II Road Oiling Surface Treatment as the upgrade. Murray Road from McPhillips St. to Canadian Pacific Railway (Wpg Beach) has been identified for 2012 and 2013. Pipeline Road which is also a multi-year project is proposed to follow within the five year forecast.

On February 22, 2011, Council approved that up to $1 million in funding be allocated each year from the $3 million Granular Roadway Improvements project account for sub-cutting and adding gravel to unimproved gravel back-lanes in need of repair.

Certain Regional and Local Street Renewal projects have a warranty period after substantial completion and/or in-service date for which costs may be incurred by the City. The Director of Public Works is authorized to establish projects to a maximum of $100,000 each to charge costs associated with warranty work should the related Regional and Local Streets project be closed. The capital budget for the new project will be allocated from the departmental non-specified capital account.

That any new projects using surplus funds in the 2012 Regional and Local Street Renewal Program shall be approved by the Standing Policy Committee on Infrastructure Renewal and Public Works.

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

Regional and Local Street Renewal (continued):

Future projects in Regional and Local Street Renewal	**Authorization**						
Program includes the following (all figures in 000's):	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**Six-Year Total**
Regional Sidewalk and Curb Renewals:							
Sidewalk and Curb Renewals - Regional Streets	1,000	500	500	500	500	500	3,500
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	1,250
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	900	1,100	600	600	600	600	4,400
Dugald Road WB - Mazenod to Lagimodiere	2,100						2,100
Fort Street - Graham to Portage	2,100						2,100
St James St. - Sargent to Wellington	1,250						1,250
Pembina Hwy SB - University Cres. to Markham Rd.		5,130					5,130
McGillivray EB - Irene to Pembina		1,640					1,640
Ness Ave. - 150 meters west of Conway to Whytewold Rd.			3,150				3,150
Portage Ave EB - St John's Ambulance Way to Sherburn			5,280				5,280
King Edward SB - Notre Dame to Dublin			1,250				1,250
Pembina Hwy SB - Bairdmore North to Kirkbridge			3,850				3,850
Regional Mill and Fill Rehabilitation Works:							
St. Anne's Rd NB - Fernwood to Fermor	350						350
Portage Ave WB - Aldine to Sturgeon	885						885
Mc Phillips St SB - Logan to Notre Dame	670						670
Lagimodiere Blvd SB - Concordia Overpass to Rendeers	950						950
St. Mary's Road - Eugenie to Tache	375						375
Century St NB - Wellington to Saskatchewan		370					370
McPhillips St NB - Selkirk to Redwood		470					470
McPhillips St SB - Redwood to Selkirk		470					470
St Anne's Rd SB - Fermor to Lavalee		975					975
Main St SB - Smithfield to Inkster		370					370
Pembina Hwy SB - Jubilee to McGillivray			4,210				4,210
Lagimodiere Blvd NB - Maginot to Dugald			1,290				1,290
Main St SB - Jefferson to Enniskillen			150				150
St. Mary's Road - Coniston to Lyndale			250				250
Sherbrook NB - Maryland Bridge to Portage			1,820				1,820
Functional Design - Marion - Archibald to Lagimodiere Blvd		1,250					1,250
Regional Street Renewals - Annual Program - Various locations to be identified.		2	37	18,949	22,527	25,085	66,600
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	10,000	10,000	10,000	10,000	10,000	10,000	60,000
Local Thin Bituminous Overlay (TBO)	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Recreational Walkways and Bike Pathway Renewals	500	500	500	500	500	500	3,000
Total Regional and Local Street Renewal Program	**30,830**	**32,777**	**42,887**	**40,549**	**44,127**	**46,685**	**237,855**

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

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,533	11,477	-	-	-	-	-	-	11,477
Financed by:									
Cash to Capital	766	5,744						-	5,744
Provincial Funding for Road Improvements	767	5,733						-	5,733

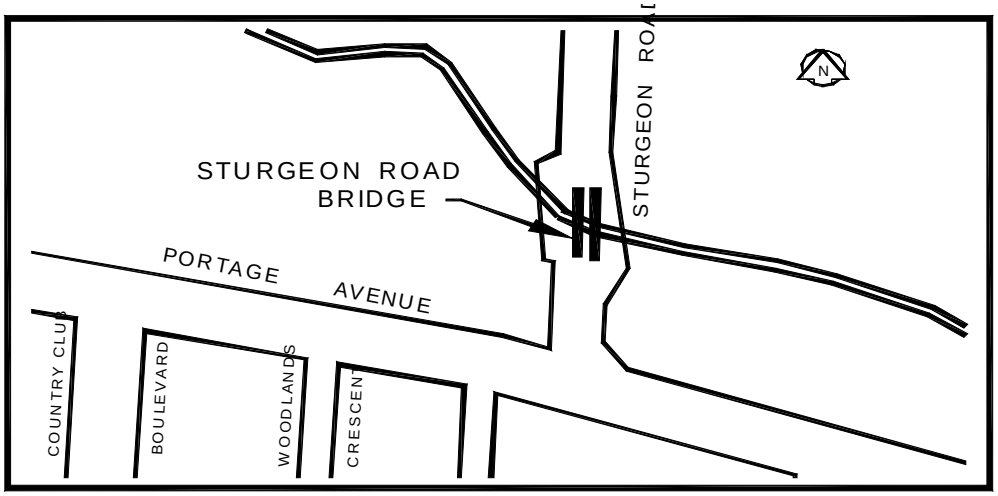
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	9,755	1,722	-	-	-	-	-	11,477
Financed by:								
Cash to Capital	4,882	862						5,744
Provincial Funding for Road Improvements	4,873	860						5,733

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	585	103	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	5,744		
SURPLUS/(DEFICIT)	(5,159)	103	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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, detailed design in 2011, with construction in 2012 and 2013.

The new bridge is expected to provide service for 75 years.



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	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	11,455	5,755	-	-	-	-	-	-	5,755
Financed by:									
Cash to Capital	7,389	2,621						-	2,621
Provincial Funding for Road Improvements	4,066	3,134						-	3,134

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	5,362	393	-	-	-	-	-	5,755
Financed by:								
Cash to Capital	2,228	393						2,621
Provincial Funding for Road Improvements	3,134							3,134

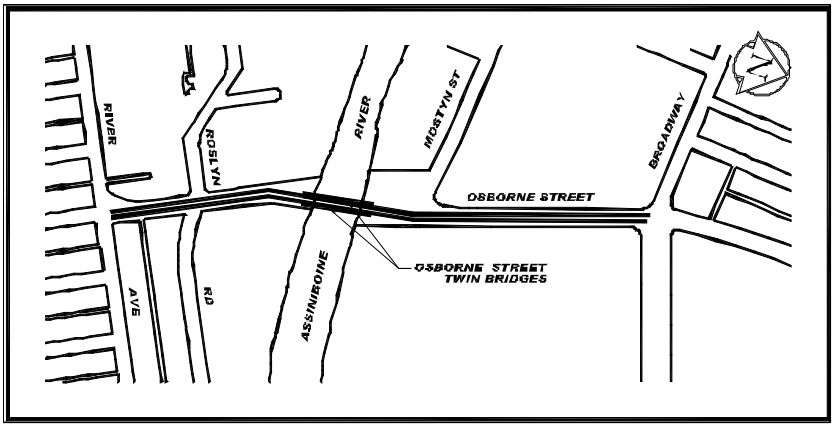
NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	322	24	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	2,621		
SURPLUS/(DEFICIT)	(2,299)	24	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

The rehabilitated bridge is expected to provide service for 75 years.

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



Project Name: **CN Mainline (Rivers) Grade Separation**

Department: Public Works
Project: 180500xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,000	-	-	-	-	1,000	1,000
Financed by:									
Cash to Capital			500					500	500
Provincial Funding for Road Improvements			500					500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	850	150	-	-	-	-	1,000
Financed by:								
Cash to Capital		425	75					500
Provincial Funding for Road Improvements		425	75					500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		51	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		500	
SURPLUS/(DEFICIT)	-	(449)	9

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

2013 - Includes conceptual engineering, study, and public consultation.

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

Department: Public Works
Project: 180500xx14

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

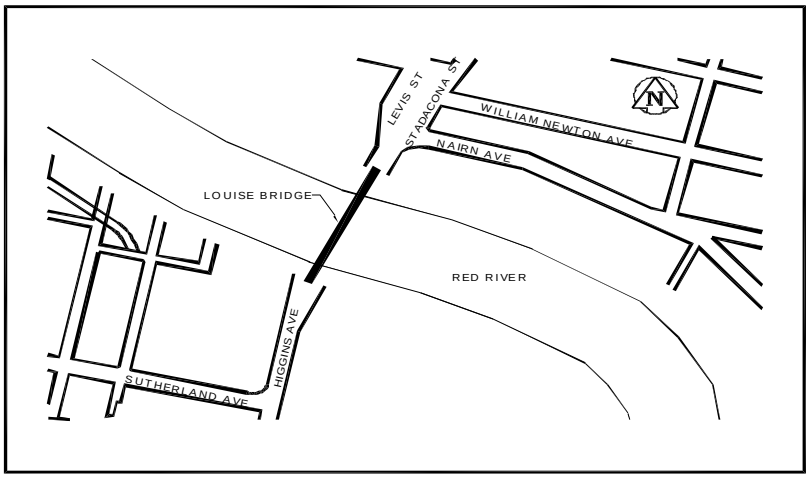
AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	2,581	2,000	-	-	4,581	4,581
Financed by:									
Cash to Capital				1,381	1,000			2,381	2,381
Provincial Funding for Road Improvements				1,200	1,000			2,200	2,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	2,194	2,087	300	-	-	4,581
Financed by:								
Cash to Capital			1,174	1,057	150			2,381
Provincial Funding for Road Improvements			1,020	1,030	150			2,200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			132
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			1,381
SURPLUS/(DEFICIT)	-	-	(1,249)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer ot General Capital Fund*

2014 - 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,500	-	-	-	2,000	3,500	3,500
Financed by:									
Cash to Capital			1,500				2,000	3,500	3,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	1,500	-	-	-	2,000	-	3,500
Financed by:								
Cash to Capital		1,500				2,000		3,500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		90	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		1,500	
SURPLUS/(DEFICIT)	-	(1,410)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

Funding in 2017 is for the preliminary design and property acquisition for the recommended alternative to the Arlington Overpass crossing.

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	500	500	1,000	1,000
Financed by:									
Cash to Capital						250	500	750	750
Provincial Funding for Road Improvements						250		250	250

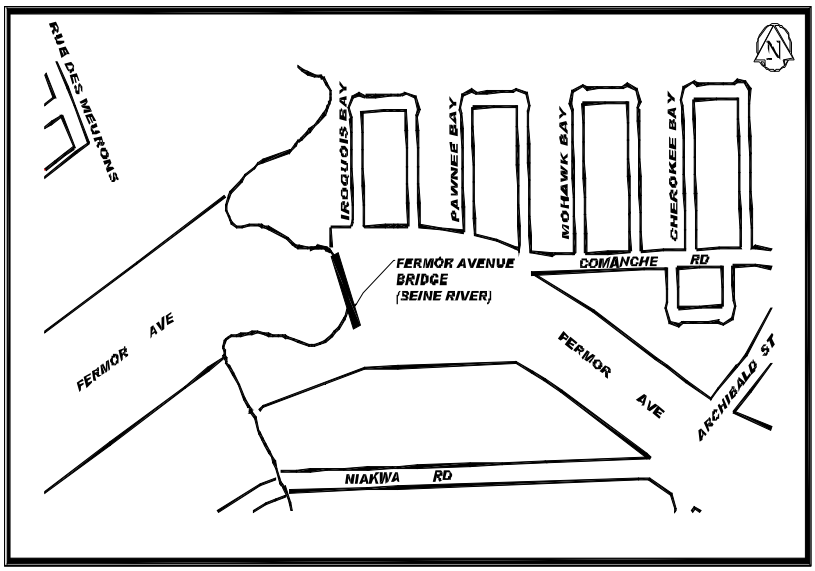
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	425	500	75	1,000
Financed by:								
Cash to Capital					213	462	75	750
Provincial Funding for Road Improvements					212	38		250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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

The rehabilitated bridge is expected to provide service for 50 years.



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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	1,000	1,000	2,000	2,000
Financed by:									
Cash to Capital						500	1,000	1,500	1,500
Provincial Funding for Road Improvements						500		500	500

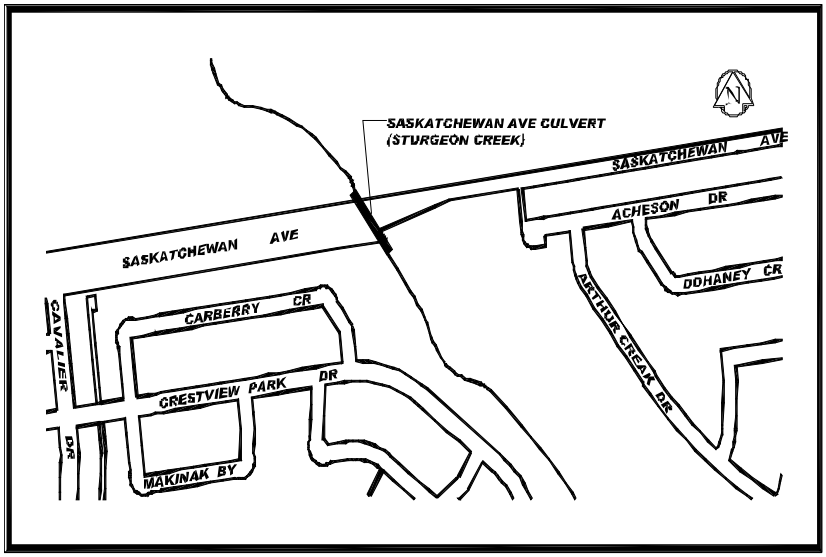
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	850	1,000	150	2,000
Financed by:								
Cash to Capital					425	925	150	1,500
Provincial Funding for Road Improvements					425	75		500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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

The new bridge is expected to provide service for 75 years.



Project Name: **Pembina Highway Underpass**

Department: Public Works
Project: 180500xx13

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,300	-	7,000	6,000	-	-	-	13,000	13,000
Financed by:									
Cash to Capital	650			3,500	3,150			6,650	6,650
External Debt (Short-term)			3,500	3,150				6,650	6,650
Repayment on Short-term External Debt				(3,500)	(3,150)			(6,650)	(6,650)
Provincial Funding for Road Improvements	650		3,500	2,850				6,350	6,350

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	7,000	6,000	-	-	-	-	13,000
Financed by:								
Cash to Capital			3,500	3,150				6,650
External Debt (Short-term)		3,500	3,150					6,650
Repayment on Short-term External Debt			(3,500)	(3,150)				(6,650)
Provincial Funding for Road Improvements		3,500	2,850					6,350

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		420	329
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			3,500
SURPLUS/(DEFICIT)	-	420	(3,171)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Preliminary engineering in 2011. Construction in 2013 and 2014 - widen northbound to 3 lanes. Improve pedestrian/active transportation access through the Underpass. Improve land drainage/pumping and reconstruct pavement in both directions.

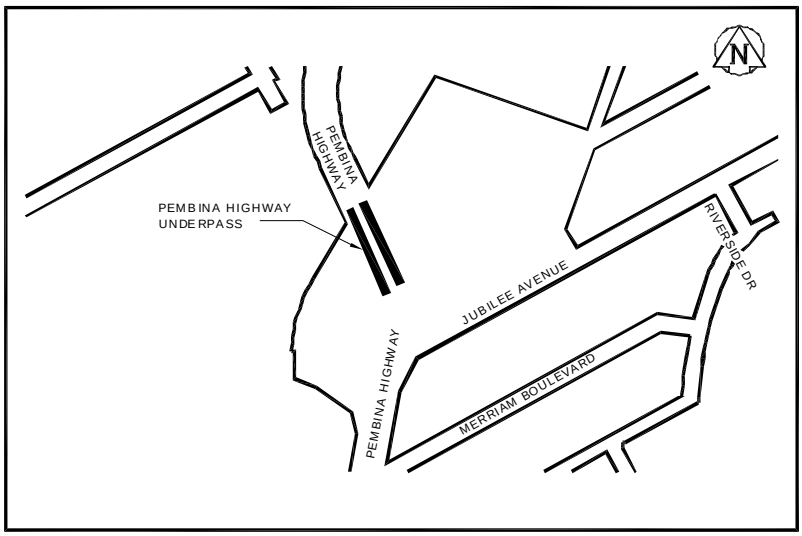
Funding shown is based on active transportation only on the east side of Pembina Highway utilizing a tunnel structure through the CN rail embankment and minimal traffic lane widths.

The preliminary design study will determine whether the proposed active transportation facility is feasable and provides an adequate level of service.

A budget requirement of $30 million may be required if the railway bridge requires replacement to accommodate improved levels of service and accommodate phase 2 of the Southwest Rapid Transit Corridor.

The widened and rehabilitated underpass is expected to provide service for 75 years.

Pembina Highway Underpass (continued):



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

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	700	1,461	-	-	-	2,161	2,161
Financed by:									
Cash to Capital			600	511				1,111	1,111
Provincial Funding for Road Improvements			100	950				1,050	1,050

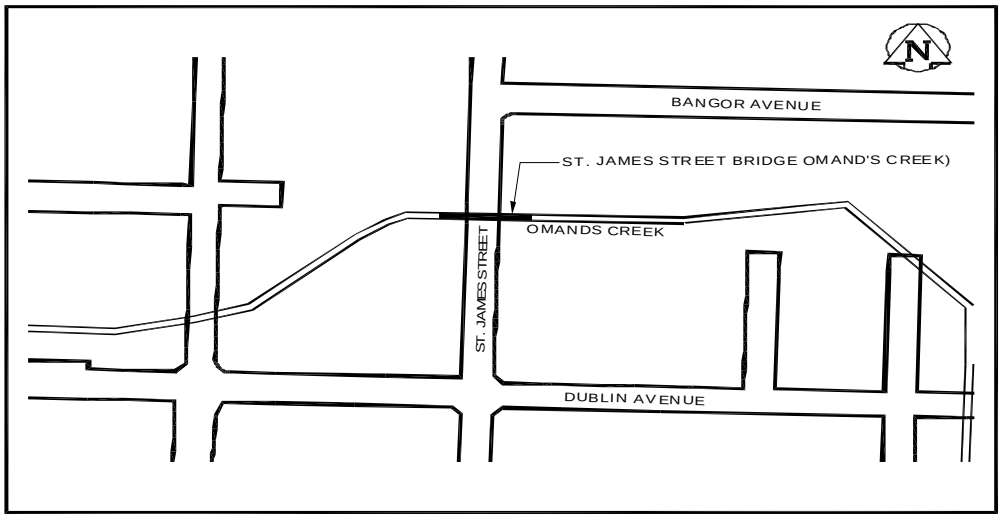
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	595	1,347	219	-	-	-	2,161
Financed by:								
Cash to Capital		510	524	77				1,111
Provincial Funding for Road Improvements		85	823	142				1,050

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		36	81
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		600	511
SURPLUS/(DEFICIT)	-	(564)	(430)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

2013 - Preliminary and detailed engineering design and property acquisition. 2014 - Construction to undertake full rehabilitation and safety improvements.

The rehabilitated bridge is expected to provide service for 75 years.



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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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				500	1,000	4,000		5,500	5,500
Provincial Funding for Road Improvements				500	1,000	4,000		5,500	5,500

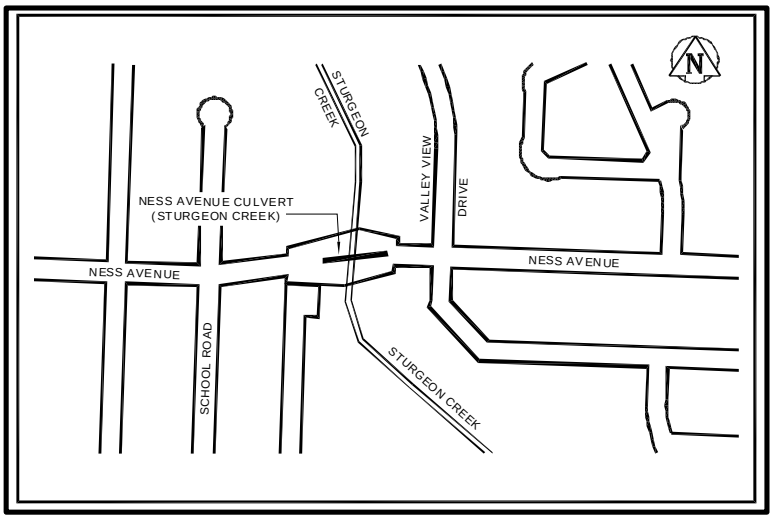
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	850	1,850	7,100	1,200	-	11,000
Financed by:								
Cash to Capital			425	925	3,550	600		5,500
Provincial Funding for Road Improvements			425	925	3,550	600		5,500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			51
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			500
SURPLUS/(DEFICIT)	-	-	(449)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Replace existing structure with a new bridge. Undertake preliminary engineering and property acquisition in 2014, detailed engineering in 2015, and construction in 2016.

The new bridge is expected to provide service for 75 years.



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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	500	5,000	-	-	-	5,500	6,000
Financed by:									
Cash to Capital		250	250	2,500				2,750	3,000
Provincial Funding for Road Improvements		250	250	2,500				2,750	3,000

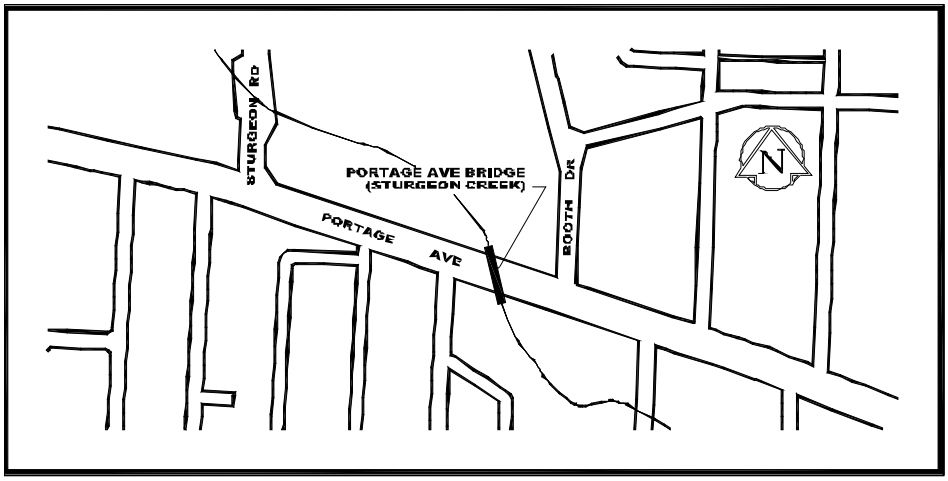
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	425	500	4,325	750	-	-	-	6,000
Financed by:								
Cash to Capital	213	250	2,162	375				3,000
Provincial Funding for Road Improvements	212	250	2,163	375				3,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	26	30	260
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	250	250	2,500
SURPLUS/(DEFICIT)	(224)	(220)	(2,240)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

The rehabilitated bridge is expected to provide service for 75 years.



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

Department: Public Works
Project: 180500xx15
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	2,000	-	2,500	2,500
Financed by:									
Cash to Capital					250	1,000		1,250	1,250
Provincial Funding for Road Improvements					250	1,000		1,250	1,250

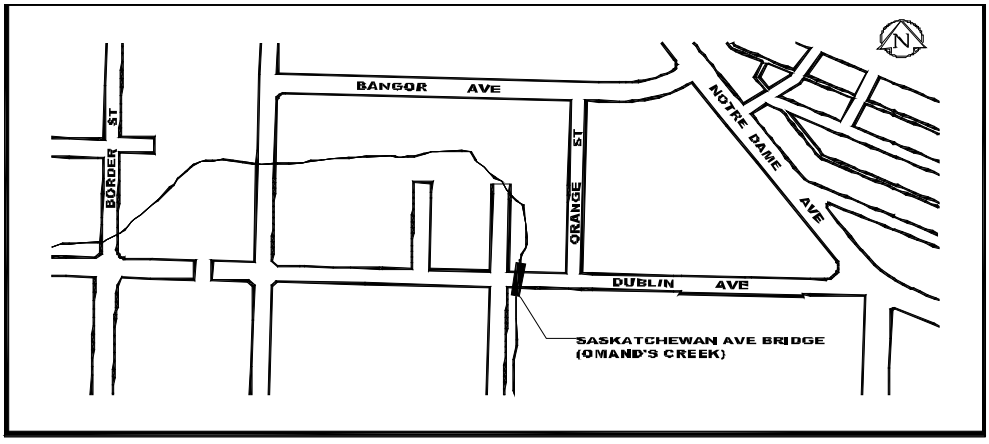
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	424	1,776	300	-	2,500
Financed by:								
Cash to Capital				212	888	150		1,250
Provincial Funding for Road Improvements				212	888	150		1,250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Bridge replacement with a total budget requirement of $2,500,000. Preliminary/detailed engineering and property acquisition in 2015 budgeted for $500,000 and construction in 2016 budgeted for $2,000,000.

The new bridge is expected to provide service for 75 years.



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

Department: Public Works
Project: 180500xx15

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	500	3,000	4,000	4,000
Financed by:									
Cash to Capital					250	250	1,500	2,000	2,000
Provincial Funding for Road Improvements					250	250	1,500	2,000	2,000

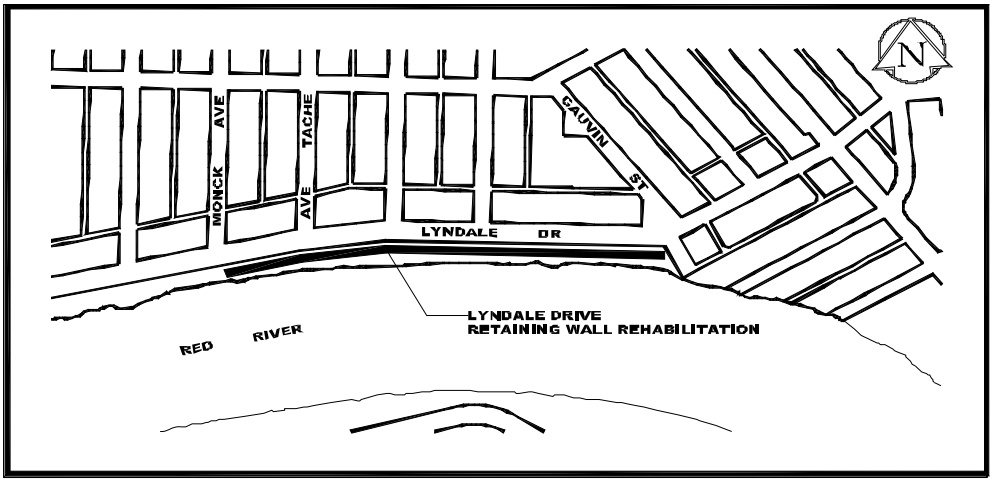
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	424	500	2,626	450	4,000
Financed by:								
Cash to Capital				212	250	1,313	225	2,000
Provincial Funding for Road Improvements				212	250	1,313	225	2,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 2015 for preliminary design, $500,000 in 2016 for detailed design, and $3,000,000 in 2017 for construction.

The retaining wall is expected to provide service for 50 years.



Project Name: **Osborne Street Underpass**

Department: Public Works
Project: 180500xx15

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	2,500	-	2,500	5,000	5,000
Financed by:									
Cash to Capital					1,250		2,500	3,750	3,750
Provincial Funding for Road Improvements					1,250			1,250	1,250

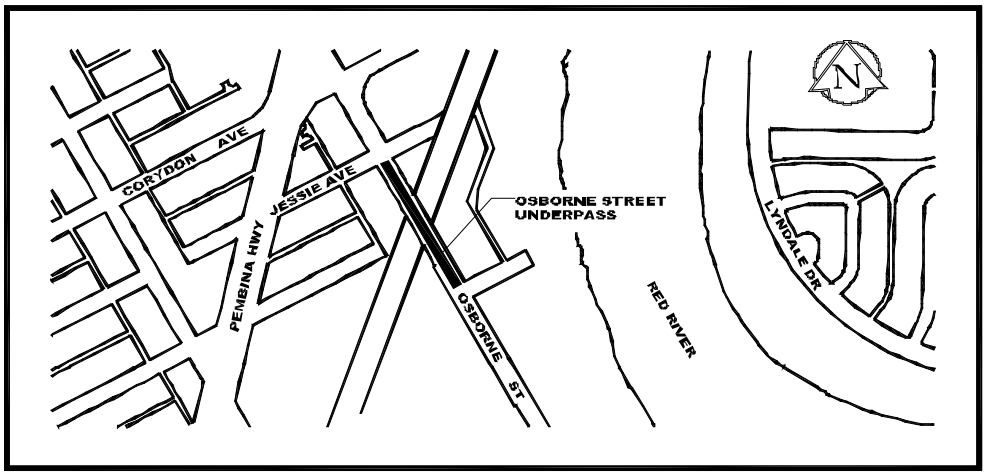
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	2,125	375	2,125	375	5,000
Financed by:								
Cash to Capital				1,063	187	2,125	375	3,750
Provincial Funding for Road Improvements				1,062	188			1,250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

2015 - Project budget shown is to undertake conceptual study/design, preliminary design, property acquisition and public consultation. 2017 - detailed design. Estimated project construction budget of $70,000,000 for potential reconstruction/widening assuming work is undertaken in 2018 and 2019.

The reconstructed underpass is expected to provide service for 75 years.



Project Name: **St James Bridge - South Bound**

Department: Public Works
Project: 180500xx15

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

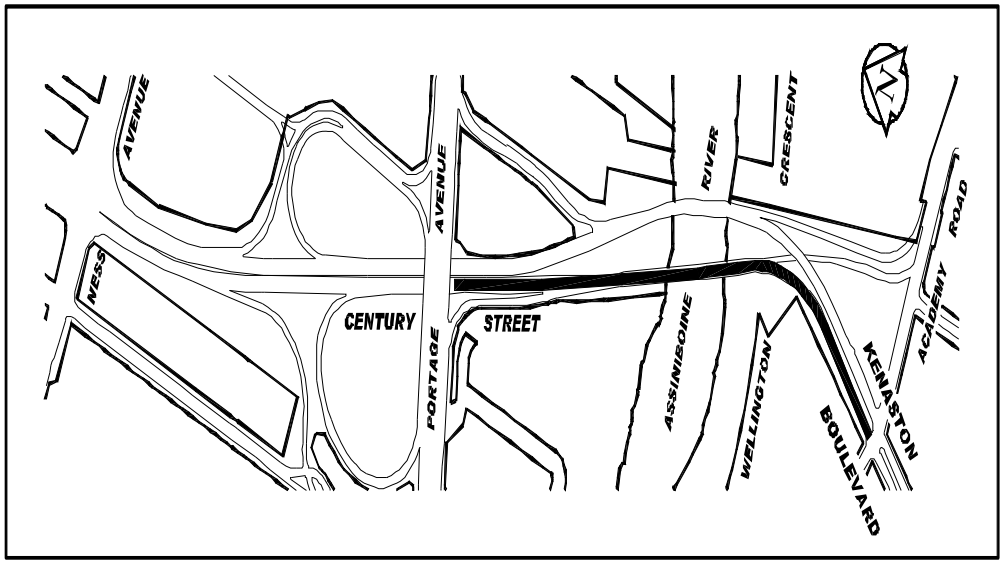
AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	2,000	2,000	2,000
Financed by:									
Cash to Capital							2,000	2,000	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	-	1,700	300	2,000
Financed by:								
Cash to Capital						1,700	300	2,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Replacement or rehabilitation of the southbound bridge only. A total project budget of $54 million is anticipated based on a total bridge replacement widened to accommodate four traffic lanes and active transportation. If it becomes feasible to rehabilitate the bridge with widening, instead of total replacement, the total budget could possibly be reduced to $35 million. These alternatives would be investigated during the preliminary design and property acquisition in 2017.



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

Department: Public Works
Project: 1805000112
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,000	2,500	2,000	2,000	3,000	3,000	12,500	14,500
Financed by:									
Cash to Capital		2,000	2,500	2,000	2,000	3,000	3,000	12,500	14,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,700	2,425	2,075	2,000	2,850	3,000	450	14,500
Financed by:								
Cash to Capital	1,700	2,425	2,075	2,000	2,850	3,000	450	14,500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	102	146	125
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	2,000	2,500	2,000
SURPLUS/(DEFICIT)	(1,898)	(2,354)	(1,875)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

* 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	12,200	13,800	19,800	19,800	19,800	19,800	19,800	99,000	112,800
Encumbrance Toward Commissioning Payment	(12,200)	(6,100)						-	(6,100)
Public Private Partnership Annual Service / Financing Payments		(7,700)	(19,800)	(19,800)	(19,800)	(19,800)	(19,800)	(99,000)	(106,700)
External Debt	75,000								

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	13,800	19,800	19,800	19,800	19,800	19,800	381,200	494,000
Financed by:								
Federal Gas Tax	13,800	19,800	19,800	19,800	19,800	19,800	381,200	494,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		(98)	(98)
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	98	98

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

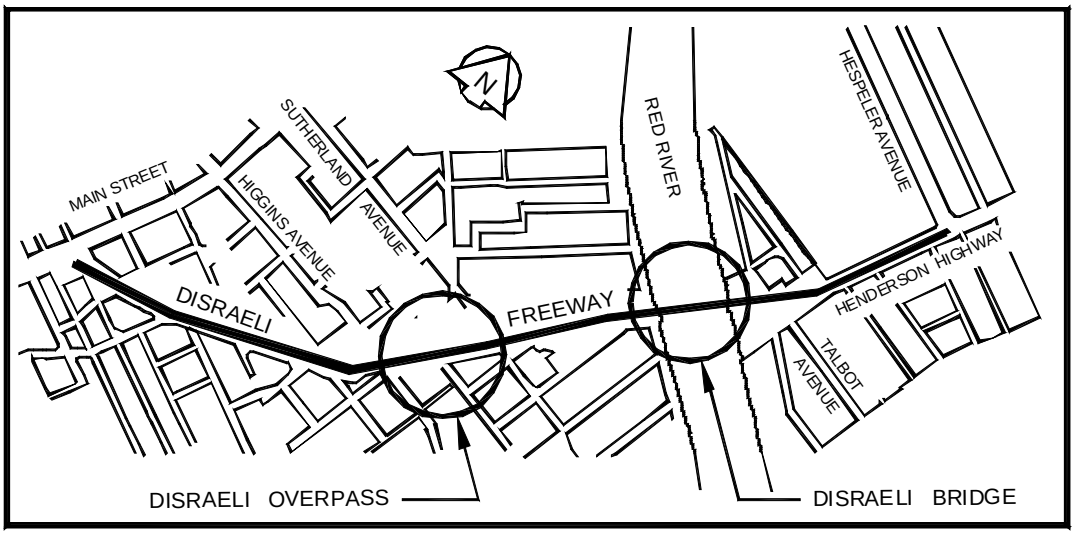
In 2010, Plenary Roads Winnipeg (PRW) was awarded the contract to design, build, finance and maintain the Disraeli Bridge and Overpass Facility. The bridges will be replaced with entirely new structures that have a design life of 75 years. The project includes a separate, new Active Transportation bridge 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 has commenced and the new bridges will be open to traffic in the fall of 2012 with the pedestrian bridge to follow in the next year.

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. The above annual estimates include the authorization for the lease payments to be incurred and charged to the Project in the General Capital Fund.

Disraeli Bridge and Overpass Facility (continued):



Project Name: **Charleswood Bridge**

Department: Public Works
Project: 180500XX12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,478	1,478	1,478	1,478	1,478	1,478	10,346	19,214
Financed by:								
Cash to Capital - See Note	1,478	1,478	1,478	1,478	1,478	1,478	10,346	19,214

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	1,478	1,478	1,478
SURPLUS/(DEFICIT)	(1,478)	(1,478)	(1,478)

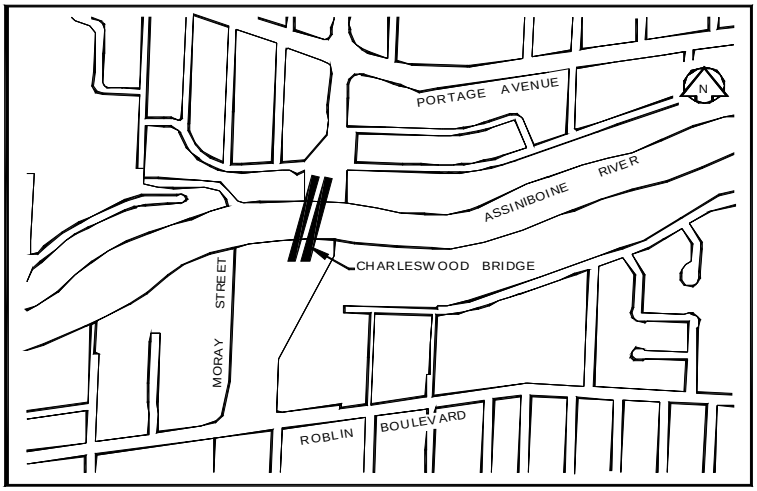
Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

The above annual estimates include the authorization for the lease payments to be incurred and charged to the Project in the General Capital Fund.

Note: Cash flow beyond 2017 equals payments to 2024.



Back to Capital Projects Summary

Project Name: **Plessis Road Twinning and Grade Separation at CN Rail**

Department: Public Works
Project: 180300xx12
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

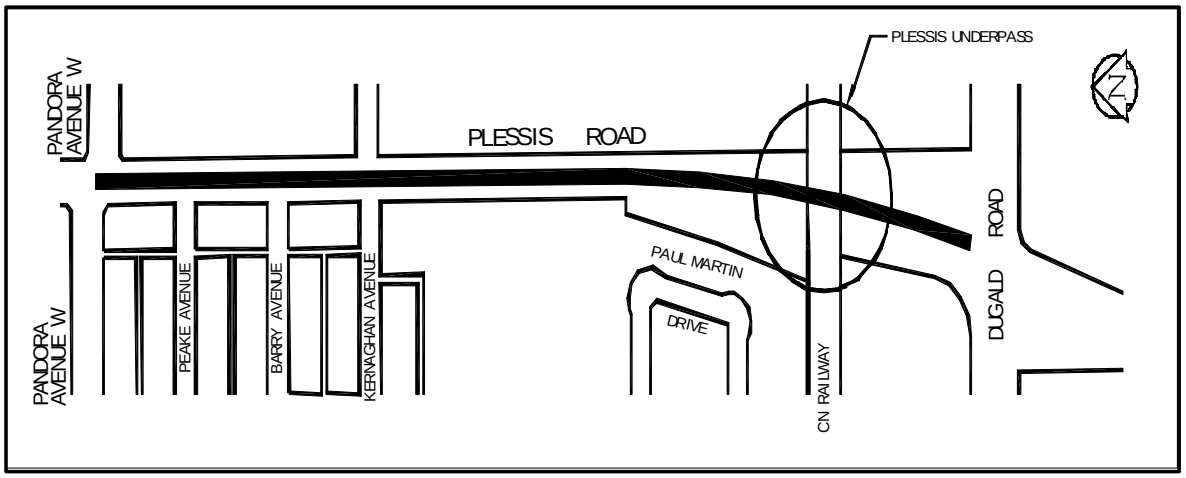
AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	77,000	-	-	-	-	-	-	77,000
Financed by:									
External Debt		27,000						-	27,000
Building Canada Fund (Federal Government)		25,000						-	25,000
Provincial Government Funding		25,000						-	25,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	77,000	-	-	-	-	-	-	77,000
Financed by:								
External Debt	27,000							27,000
Building Canada Fund (Federal Government)	25,000							25,000
Provincial Government Funding	25,000							25,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	3,080		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	3,080	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Preliminary engineering, detailed engineering and land acquisition will commence in 2012. Construction will commence by 2013.



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	2012	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	108,500	-	-	-	-	-	-	-	-
Financed by:									
Public Private Partnership	51,200							-	-
PPP Canada Inc. - Federal Funding	22,300							-	-
Provincial Funding for Road Improvements	9,000							-	-
Cash to Capital	7,300							-	-
Future Payments									
Cash to Capital		2,869	2,869	2,869	2,869	2,869	2,869	14,345	17,214
Federal Gas Tax	2,444	5,415	5,415	5,415	5,415	5,415	5,415	27,075	32,490
Public Private Partnership Annual Service / Financing Payments	(2,444)	(8,284)	(8,284)	(8,284)	(8,284)	(8,284)	(8,284)	(41,420)	(49,704)
External Debt	18,700								-

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	8,284	8,284	8,284	8,284	8,284	8,284	196,372	246,076
Financed by:								
Cash to Capital	2,869	2,869	2,869	2,869	2,869	2,869	68,856	86,070
Federal Gas Tax	5,415	5,415	5,415	5,415	5,415	5,415	127,516	160,006

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		200	200
Debt and finance charges increase		230	560
Transfer to General Capital Fund	2,869	2,869	2,869
SURPLUS/(DEFICIT)	(2,869)	(3,299)	(3,629)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 facility 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.

Chief Peguis Trail (continued):

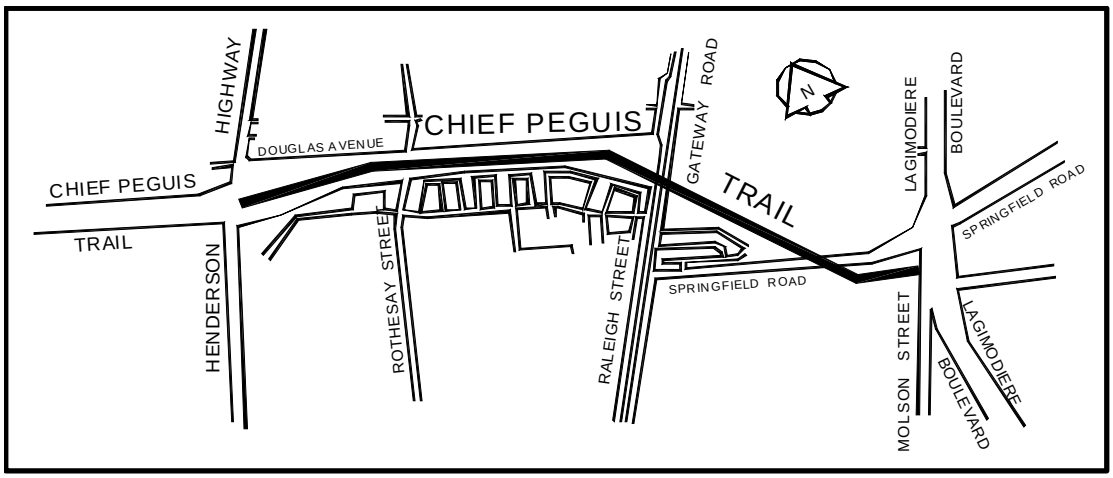
The City's $50 million in payments to DBF2 Ltd will be financed by funding from PPP Canada Inc., the Province of Manitoba and debt. PPP Canada Inc.'s funding is based on 25% of eligible expenditures (maximum $25 million) and as such, may vary slightly from budget. External Debt will be adjusted once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

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.

The above annual estimates include the authorization for the lease payments to be incurred and charged to the Project in the General Capital Fund.

Note: The 2010 Provincial Funding for Road Improvements of $9 million was previously allocated to other 2010 capital projects. These other 2010 capital projects have been financed from the General Capital Fund.



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

Department: Public Works
Project: 181200xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	549	405	405	-	-	100	910	1,459
Financed by:									
Cash to Capital		549	405	405			100	910	1,459

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	467	426	405	61	-	85	15	1,459
Financed by:								
Cash to Capital	467	426	405	61		85	15	1,459

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	14	13	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	549	405	405
SURPLUS/(DEFICIT)	(535)	(392)	(393)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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:	2012	2013	2014	2015	2016	2017	Total
Traffic Signals Branch, Transportation Division	100	50	50				200
Traffic Services Branch, Streets Maintenance Division	50	25	25				100
Asset Management Branch, Engineering Division	100	100	100			100	400
Park Services Operational Support Branch, Parks and Open Spaces Division	299	230	230				759
	549	**405**	**405**	**-**	**-**	**100**	**1,459**

* 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: 181300xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	300	150	150	150	150	150	750	1,050
Financed by:									
Cash to Capital		300	150	150	150	150	150	750	1,050

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	255	173	150	150	150	150	22	1,050
Financed by:								
Cash to Capital	255	173	150	150	150	150	22	1,050

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	8	5	5
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	300	150	150
SURPLUS/(DEFICIT)	(292)	(145)	(145)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: 183400xx12
Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,850	300	300	300	300	300	1,500	3,350
Financed by:									
Cash to Capital		300	300	300	300	300	300	1,500	1,800
Transfer from Prior Years' Surplus		1,550						-	1,550

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,850	300	300	300	300	300	-	3,350
Financed by:								
Cash to Capital	300	300	300	300	300	300		1,800
Transfer from Prior Years' Surplus	1,550							1,550

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	56	9	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	300	300	300
SURPLUS/(DEFICIT)	(244)	(291)	(291)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: 1815000112

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	2,500	-	-	-	-	-	-	2,500
Financed by:									
Cash to Capital		357						-	357
Transfer from Prior Years' Surplus		2,143						-	2,143

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,500	-	-	-	-	-	-	2,500
Financed by:								
Cash to Capital	357							357
Transfer from Prior Years' Surplus	2,143							2,143

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	75		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	357		
SURPLUS/(DEFICIT)	(282)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

Project Name: **Reforestation - Improvements**

Department: Public Works
Project: 185000xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	387	383	383	383	383	383	1,915	2,302
Financed by:									
Cash to Capital		387	383	383	383	383	383	1,915	2,302

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	329	384	383	383	383	383	57	2,302
Financed by:								
Cash to Capital	329	384	383	383	383	383	57	2,302

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	20	23	23
Less:			
Operating expenditures increase/(decrease)	25	25	25
Debt and finance charges increase			
Transfer to General Capital Fund	387	383	383
SURPLUS/(DEFICIT)	(392)	(385)	(385)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: 185200xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	200	124	200	200	924	924
Financed by:									
Cash to Capital			200	200	124	200	200	924	924

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	200	200	124	200	200		924
Financed by:								
Cash to Capital		200	200	124	200	200		924

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		12	12
Less:			
Operating expenditures increase/(decrease)		10	20
Debt and finance charges increase			
Transfer to General Capital Fund		200	200
SURPLUS/(DEFICIT)	-	(198)	(208)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

* 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: 185300xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	817	677	653	655	655	655	3,295	4,112
Financed by:									
Cash to Capital		817	677	653	655	655	655	3,295	4,112

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	694	698	657	655	655	655	98	4,112
Financed by:								
Cash to Capital	694	698	657	655	655	655	98	4,112

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	42	42	39
Less:			
Operating expenditures increase/(decrease)	61	81	127
Debt and finance charges increase			
Transfer to General Capital Fund	817	677	653
SURPLUS/(DEFICIT)	(836)	(716)	(741)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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

2012 Funds will be allocated to:

Whittier Park - $200,000

Construction of Maintenance and Operations Support Building and Compound for Festival du Voyageur/Parks East/St. Boniface Minor Ball in the southwest corner of Whittier Park.

Kildonan Park and Rainbow Stage - $617,000

Peguis Pavilion Pond Improvements: Accessible pathways and viewing area, Lord Selkirk Creek engineered flood protection wall, enlargement, deepening and clay re-lining of the landscape pond with the addition of an aeration system to reduce algae blooms, restoration and naturalization of the Lord Selkirk Creek bank and riparian zone.

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

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

Department: Public Works
Project: 185300xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,150	-	-	-	-	2,150	-	2,150	2,150
Financed by:									
Cash to Capital	1,150					2,150		2,150	2,150

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	1,828	322	-	2,150
Financed by:								
Cash to Capital					1,828	322		2,150

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Refurbishment and replacement of aging park buildings.

Funds will be allocated to:	2012	2013	2014	2015	2016	2017	Total
La Barriere Park - Washroom/Warm-up Building complete refurbishment					500		500
Kildonan Park - Rainbow Stage refurbishment					1,650		1,650
	-	**-**	**-**	**-**	**2,150**		**2,150**

Project Name: **Playground Structures**

Department: Public Works
Project: 185500xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,800	1,800	1,800	1,800	1,800	1,800	9,000	10,800
Financed by:									
Cash to Capital		1,800	1,800	1,800	1,800	1,800	1,800	9,000	10,800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,530	1,800	1,800	1,800	1,800	1,800	270	10,800
Financed by:								
Cash to Capital	1,530	1,800	1,800	1,800	1,800	1,800	270	10,800

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	92	108	108
Less:			
Operating expenditures increase/(decrease)	88	176	264
Debt and finance charges increase			
Transfer to General Capital Fund	1,800	1,800	1,800
SURPLUS/(DEFICIT)	(1,796)	(1,868)	(1,956)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	150	150	-	150	150	600	600
Financed by:									
Cash to Capital			150	150		150	150	600	600

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	128	150	23	128	150	21	600
Financed by:								
Cash to Capital		128	150	23	128	150	21	600

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		8	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		150	150
SURPLUS/(DEFICIT)	-	(142)	(141)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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

Funds will be allocated to:	2012	2013	2014	2015	2016	2017	Total
Lindenwoods Park (along retention pond) Asphalt Path rehabilitation		150					150
Various locations			150		150	150	450
	-	**150**	**150**	**-**	**150**	**150**	**600**

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

Project Name: **Community Park Amenities**

Department: Public Works
Project: 185700xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	77	90	90
Less:			
Operating expenditures increase/(decrease)	11	22	33
Debt and finance charges increase			
Transfer to General Capital Fund	1,500	1,500	1,500
SURPLUS/(DEFICIT)	(1,434)	(1,432)	(1,443)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Refurbishment and replacement of park amenities in the Parks and 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	1,063	187	-	-	1,250
Financed by:								
Cash to Capital				1,063	187			1,250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

This project will create a totally integrated Insect Control information system that includes: dispatch, inventory control, billing, tracking and 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.

The information system is expected to provide 10 years of service.

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	2,000	2,000	2,000	2,000	2,000	10,000	10,000
Financed by:									
Cash to Capital			400	400	400	400	400	2,000	2,000
External Debt			1,600	1,600	1,600	1,600	1,600	8,000	8,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	1,600	2,000	2,000	2,000	2,000	400	10,000
Financed by:								
Cash to Capital		320	400	400	400	400	80	2,000
External Debt		1,280	1,600	1,600	1,600	1,600	320	8,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		77	96
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		77	96
Transfer to General Capital Fund		400	400
SURPLUS/(DEFICIT)	-	(400)	(400)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,538	1,569	1,600	1,632	1,665	1,698	8,164	9,702
Financed by:									
Cash to Capital		1,538	1,569	1,600	1,632	1,665	1,698	8,164	9,702

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,538	1,569	1,600	1,632	1,665	1,698	-	9,702
Financed by:								
Cash to Capital	1,538	1,569	1,600	1,632	1,665	1,698		9,702

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	1,538	1,569	1,600
SURPLUS/(DEFICIT)	(1,538)	(1,569)	(1,600)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

As this is a capital grant program, 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 program'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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	200	200	200	200	300	1,100	1,300
Financed by:									
Cash to Capital		200	200	200	200	200	300	1,100	1,300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	200	200	200	200	200	300	-	1,300
Financed by:								
Cash to Capital	200	200	200	200	200	300		1,300

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	200	200	200
SURPLUS/(DEFICIT)	(200)	(200)	(200)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 50 years old. Most of the furniture and shelving are 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 program's on-going nature.

Project Name: **Library Replacement - New Infrastructure**

Department: Community Services
Project: 62130001yy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,000	-	5,500	-	-	-	-	5,500	5,500
Financed by:									
Cash to Capital			5,500					5,500	5,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	5,500	-	-	-	-	-	5,500
Financed by:								
Cash to Capital		5,500						5,500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		275	275
Debt and finance charges increase			
Transfer to General Capital Fund		5,500	
SURPLUS/(DEFICIT)	-	(5,775)	(275)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Project funds are necessary to replace and furnish modern, safe, and accessible libraries that are able to accommodate the changing needs of library users. Previous budgets from 2009 and 2011 totaling $2.0 million will be used 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 2013. The new library facility would open in 2014. Accommodations costs, inclusive of capital charges, relative to construction of the new facility in 2013, are estimated to increase approximately $275,000 per year.

Operating lease options are being considered 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 and Library Facility Policy).

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

Project Name: **Renovate and Refurbish Various Library Branches Program - Existing Infrastructure**

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	1,000	1,500	-	500	500	3,500	4,000
Financed by:									
Cash to Capital		500	1,000	1,500		500	500	3,500	4,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	1,000	1,500	-	500	500	-	4,000
Financed by:								
Cash to Capital	500	1,000	1,500		500	500		4,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500	1,000	1,500
SURPLUS/(DEFICIT)	(500)	(1,000)	(1,500)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

This capital program is required to support ongoing renovations of existing library branch infrastructure that cannot be supported within the existing library operating budget nor the Municipal Accommodations capital budget. The average age of Winnipeg's branch libraries is approximately 50 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 to undertake minor and major construction projects in order to improve library facilities to meet the changing needs of library users.

The funds for 2013 and 2014 are proposed for a major renovation of two existing branches in partnership with the Winnipeg Library Foundation.

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

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

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	250	500	500	500	500	2,250	2,250
Financed by:									
Cash to Capital			250	500	500	500	500	2,250	2,250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	250	500	500	500	500	-	2,250
Financed by:								
Cash to Capital		250	500	500	500	500		2,250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		250	500
SURPLUS/(DEFICIT)	-	(250)	(500)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

By 2013 the Library Reserve will be near depletion. Annual capital funds 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 that are capital in nature.

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

Project Name: **Recreational Facility Safety and Accessibility Improvements Program**

Department: Community Services
Project: 625000001yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	400	400	500	500	600	600	2,600	3,000
Financed by:									
Cash to Capital		400	400	500	500	600	600	2,600	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	400	400	500	500	600	600	-	3,000
Financed by:								
Cash to Capital	400	400	500	500	600	600		3,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	400	400	500
SURPLUS/(DEFICIT)	(400)	(400)	(500)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

This capital program addresses workplace and public safety, health, and accessibility issues that are not part of the current service level agreement with the Municipal Accommodations Division of the Planning, Property and Development Department.

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 new and improved 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 be funded and 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 program's on-going nature.

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

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	200	200	200
SURPLUS/(DEFICIT)	(200)	(200)	(200)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 program's on-going nature.

Project Name: **Business Application Systems**

Department: Community Services
Project: 626xxxxxyy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	250	-	-	-	250	500	500
Financed by:									
Cash to Capital			250				250	500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	250	-	-	-	250	-	500
Financed by:								
Cash to Capital		250				250		500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		250	
SURPLUS/(DEFICIT)	-	(250)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	-	400	-	400	800	800
Financed by:									
Cash to Capital					400		400	800	800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	400	-	400	-	800
Financed by:								
Cash to Capital				400		400		800

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 program's on-going nature.

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

Department: Community Services
Project: 62xxxxxxyy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	250	-	-	-	250	250
Financed by:									
Cash to Capital				250				250	250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	250	-	-	-	-	250
Financed by:								
Cash to Capital			250					250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			250
SURPLUS/(DEFICIT)	-	-	(250)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Capital funding is required every three to four years in order to maintain life cycle replacement schedules of existing hardware as the Computer Replacement Reserve will be insufficient to meet required needs.

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

Project Name: **Recreation Facility Replacement - New Infrastructure**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	-	-	2,800	2,600	1,700	7,100	7,100
Financed by:									
Cash to Capital					2,800	2,600	1,700	7,100	7,100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	2,800	2,600	1,700	-	7,100
Financed by:								
Cash to Capital				2,800	2,600	1,700		7,100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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

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).

Funding in 2015 - 2017 are for future projects that could include joint use facilities, multi-use recreation and leisure facilities, and stand alone facilities where a business case can be made (Recreation, Leisure and Library Facility Policy). Population growth and new development in the south quadrant of the city increases the need to replace or expand recreation amenities to meet the citizen demand.

Project Name: **Recreation Refurbishment and Redevelopment Program - Existing Infrastructure**

Department: Community Services
Project: 62510002yy
Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	3,486	-	-	-	1,500	-	1,500	4,986
Financed by:									
Cash to Capital		3,486				1,500		1,500	4,986

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	3,486	-	-	-	1,500	-	-	4,986
Financed by:								
Cash to Capital	3,486				1,500			4,986

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		90	90
Less:			
Operating expenditures increase/(decrease)		85	83
Debt and finance charges increase			
Transfer to General Capital Fund	3,486		
SURPLUS/(DEFICIT)	(3,486)	5	7

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 for 2016 is 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 and Library Facility Policy).

The funds authorized in 2010 (Recreation Facility Replacement - New Infrastructure; $.5 million) and requested in 2012 ($2.486 million) are proposed for a contemporary facility. The total of $2.986 million includes costs for the demolition of existing structures, design and construction of a new facility, and parking lot development. Construction is expected to occur in 2012. Additional funding of $1.0 million in 2012 has been proposed for the redevelopment of the Mayfair Recreation Centre and renovations to the East End Cultural and Leisure Centre.

Annual revenue net of operating expenditure requirements have been estimated at $5,000 for 2013 and $7,000 for 2014.

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

Back to Capital Projects Summary

Project Name: **East Elmwood Community Centre**

Department: Community Services
Project: 62510003yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,800	-	-	-	-	1,800	1,800
Financed by:									
City (Insurance Proceeds)			900					900	900
Provincial Government Funding			900					900	900

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	1,800	-	-	-	-	-	1,800
Financed by:								
City (Insurance Proceeds)		900						900
Provincial Government Funding		900						900

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			300
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	(300)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Funding is required for the replacement of East Elmwood Community Centre which was destroyed by fire in early 2011. The final project cost will depend on a number of factors. Approximately $900,000 in insurance proceeds is available for this project. The City intends to work with the Province to allocate $1.6 million (to be cost shared at $800,000 each) through the Building Communities Program included as part of the Planning, Property and Development capital program. In addition, the City will request $900,000 of new, incremental funding from the Province, for a potential project range of $2.5 million to $3.4 million. In 2012, the department will request a first charge on the 2013 capital budget to undertake initial design work.

Annual operating expenditures for the planned facility are estimated at $300,000.

Project Name: **Community Centre Renovation Incentive Grant Program (CCRIGP)**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 1
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	965	965	965	965	965	965	4,825	5,790
Financed by:									
Land Operating Reserve		965	965	965	965	965	965	4,825	5,790

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	965	965	965	965	965	965	-	5,790
Financed by:								
Land Operating Reserve	965	965	965	965	965	965		5,790

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The Community Centre Renovation Incentive Grant Program (CCRIGP) is dedicated funding to renovation projects for city-owned, board-run community centres in order to maintain and/or improve community centre infrastructure. The program is open to all GCWCC community centres in Winnipeg, is subject to an application process with an intake period of once per year, project evaluation completed by a joint committee of GCWCC and City, with maximum City contributions to each project of $50,000 per project.

The first year of the CCRIGP is 2012.

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

Project Name: **Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability**

Department: Community Services
Project: 6206402011
Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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		5,123	5,123	5,123	5,123	5,123	5,123	25,615	30,738

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	5,123	5,123	5,123	5,123	5,123	5,123	-	30,738
Financed by:								
Cash to Capital	5,123	5,123	5,123	5,123	5,123	5,123		30,738

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	5,123	5,123	5,123
SURPLUS/(DEFICIT)	(5,123)	(5,123)	(5,123)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: 6206404011
Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	7,349	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	4,500	22,500	27,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	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	4,500		27,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	4,500	4,500	4,500
SURPLUS/(DEFICIT)	(4,500)	(4,500)	(4,500)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **Improve Access to 765 Keewatin - Sir William Stephenson Library**

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	281	281	281
Financed by:									
Cash to Capital							281	281	281

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	-	281	-	281
Financed by:								
Cash to Capital						281		281

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

This capital program is for the installation of a mid-block median opening on Keewatin Street to improve access to 765 Keewatin Street (Sir William Stephenson Library). This proposal is to address a public concern for the safe and accessible entry into the library's parking lot. This concern was raised by the local LS/WK Library Advisory Committee and brought forward to the Standing Policy Committee on Public Works by the Winnipeg Public Library Board. An 11.6 metre wide private approach on the east side of Keewatin Street, 68.6 metres north of Tyndall Avenue is recommended by Public Works Department. This will not result in any traffic operational problems traffic operational problems on Keewatin Street. Prior to construction, a formal application with the Public Works Department for the proposed private approach modifications is required. The price has been estimated by the Public Works Department at approximately $137,000 (in 2011 dollars) for on-street works and approximately $54,000 for internal parking lot modifications for 765 Keewatin Street.

The 2011 estimated cost of $191,000 is projected to cost $281,000 by 2017, assuming annual escalation/inflation rates of 6% for years 2012 to 2016 and 10% for 2017.

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	2,200	-	-	-	-	-	-	2,200
Financed by:									
Cash to Capital		2,200						-	2,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,200	-	-	-	-	-	-	2,200
Financed by:								
Cash to Capital	2,200							2,200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	2,200		
SURPLUS/(DEFICIT)	(2,200)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 the update of the current Winnipeg Police Service (WPS) wireless data network to a next generation wireless data network solution.

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

Project Name: **Communications New Phone System**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,490	-	-	-	-	1,490	1,490
Financed by:									
Cash to Capital			1,490					1,490	1,490

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	1,490	-	-	-	-	-	1,490
Financed by:								
Cash to Capital		1,490						1,490

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		1,490	
SURPLUS/(DEFICIT)	-	(1,490)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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:

To replace the existing phone system. Work to begin in 2013 to be in place for move in 2014. This is an offshoot from the Communications capital project that was originally $3.390M. Because the projects are quite distinct it was felt that the two projects should be separated and fit into a better timeline.

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

Project Name: **Next Generation 911**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	1,900	-	-	1,900	1,900
Financed by:									
Cash to Capital					1,900			1,900	1,900

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	1,900	-	-	-	1,900
Financed by:								
Cash to Capital				1,900				1,900

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Technological changes in 911 to include text, video, and other enhancements, including upgrades to alternate site.

Project Name: **Trunk Radio System**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	7,200	-	7,200	7,200
Financed by:									
Cash to Capital						7,200		7,200	7,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	7,200	-	-	7,200
Financed by:								
Cash to Capital					7,200			7,200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

To provide a system wide infrastructure for trunk radio, console and flash radio upgrades.

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	2012 Estimate	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	179	-	321	-	-	-	-	321	321
Financed by:									
Cash to Capital			321					321	321

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	321	-	-	-	-	-	321
Financed by:								
Cash to Capital		321						321

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		321	
SURPLUS/(DEFICIT)	-	(321)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **In Car Computing**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	1,200	-	-	-	-	-	1,200
Financed by:								
Cash to Capital		1,200						1,200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		1,200	
SURPLUS/(DEFICIT)	-	(1,200)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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. The introduction of a new class of police vehicle will impact on acquisition.

Project Name: **Officer Mobile Video System**

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	1,000	-	-	1,000
Financed by:								
Cash to Capital					1,000			1,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	500	-	500	500
Financed by:									
Cash to Capital						500		500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	500	-	-	500
Financed by:								
Cash to Capital					500			500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	2,000	-	-	2,000	2,000
Financed by:									
Cash to Capital					2,000			2,000	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	2,000	-	-	-	2,000
Financed by:								
Cash to Capital				2,000				2,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate **	FORECAST 2013 **	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	150	1,273	3,743	2,286	300	500	8,102	8,252
Financed by:									
Cash to Capital		150	1,273	3,743	2,286	300	500	8,102	8,252

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	150	1,273	3,743	2,286	300	500	-	8,252
Financed by:								
Cash to Capital	150	1,273	3,743	2,286	300	500		8,252

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	150	1,273	3,743
SURPLUS/(DEFICIT)	(150)	(1,273)	(3,743)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

See description on following page.

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

Police Division's Systems Upgrades (continued):

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

In 000s	2012	2013	2014	2015	2016	2017	Total
Independent Internet Access				100			100
Email Exchange Storage				100			100
Document and Management System for Human Resources				210			210
Work Order and Service Desk Tracking System				66			66
Intelligence Led Reporting				500		500	1,000
Replacement of Crime Analysis System to help determine trends in crime activities				660			660
Integrated Child Exploitation System Software (LACE upgrade)				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 and 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
	150	**1,273**	**3,743**	**2,286**	**300**	**500**	**8,252**

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

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	-	-	-	-	-	-	500
Financed by:									
Cash to Capital		500						-	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	-	-	-	-	-	-	500
Financed by:								
Cash to Capital	500							500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500		
SURPLUS/(DEFICIT)	(500)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital				500				500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital			500					500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			500
SURPLUS/(DEFICIT)	-	-	(500)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

New District 3 (North Station) Information Technology requirements.

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

Project Name: **Police Building Replacement**

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

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	53,893	4,100	-	-	-	-	-	-	4,100
Financed by:									
Cash to Capital		4,991	2,090	4,059	4,059	4,059	4,060	18,327	23,318
Public Private Partnership Lease Payments		(891)	(2,090)	(4,059)	(4,059)	(4,059)	(4,060)	(18,327)	(19,218)

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	4,991	2,090	4,059	4,059	4,059	4,060	124,975	148,293
Financed by:								
Cash to Capital	4,991	2,090	4,059	4,059	4,059	4,060	124,975	148,293

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		1,288	3,568
Debt and finance charges increase			
Transfer to General Capital Fund	4,991	2,090	4,059
SURPLUS/(DEFICIT)	(4,991)	(3,378)	(7,627)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The 2011 Adopted Capital Budget and 2012 to 2016 Five-Year Forecast approved by Council on February 22, 2011 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.

The above annual cash flow estimates represent lease payments to be incurred and charged to the General Capital Fund.

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

Project Name: **Winnipeg Police Headquarters Redevelopment**

Department: Winnipeg Police Service
Project: 63xx00xx12
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	186,567	1,400	5,600	-	-	-	-	5,600	7,000
Financed by:									
Cash to Capital	23,669	1,400	5,600					5,600	7,000
Interim Financing from General Capital Fund (Repayment)	18,967			(18,967)				(18,967)	(18,967)
Land Operating Reserve				18,967				18,967	18,967
Manitoba/Winnipeg Infrastructure Fund	4,011							-	-
External Debt	139,920							-	-

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,400	5,600	-	-	-	-	-	7,000
Financed by:								
Cash to Capital	1,400	5,600						7,000
Interim Financing from General Capital Fund (Repayment)			(18,967)					(18,967)
Land Operating Reserve			18,967					18,967

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	2,000	2,000	2,000
Less:			
Operating expenditures increase/(decrease)	750	750	15,490
Debt and finance charges increase/(decrease)	1,619	6,965	569
Transfer to General Capital Fund	1,400	5,600	
SURPLUS/(DEFICIT)	(1,769)	(11,315)	(14,059)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

On July 20, 2011, Council concurred in the recommendation of the Standing Policy Committee on Downtown Development, Heritage and Riverbank Management, as amended by the Executive Policy Committee, and adopted a number of recommendations resulting in:

1) the 2011 Capital Budget being amended to combine "Winnipeg Police Headquarters" and "Police Headquarters - Other" into a single capital project budget called "Winnipeg Police Headquarters Redevelopment";

2) the combined budget being increased from $127,167,000 to $155,000,000;

3) the allocation to this project of $12,600,000 in costs incurred to acquire the Canada Post Building (266 Graham Avenue);

4) an increase in external borrowing for the project to $139,920,000 from $101,054,000, and;

5) that $7,000,000 in interest charges incurred during the construction period be added.

Council also approved that the Office Tower be held for re-sale at some future date (assumed to be sold on December 31, 2014 for illustrative purposes) and that short-term financing in the amount of $18,967,000 be approved for the Tower either from external sources or through internal funds or reserves as determined by the Chief Financial Officer.

The budget for the $193,567,000 acquisition / redevelopment includes $30,669,000 in internal financing (cash-to-capital), $139,920,000 in external financing, $18,967,000 from the Land Operating Reserve Fund and $4,011,000 from the Manitoba-Winnipeg Infrastructure Fund.

Winnipeg Police Headquarters Redevelopment (continued):

The revenue represents rental income from leased space in the Tower. Operating expenditures consist of utilities, repairs and maintenance costs, and property taxes related to the Tower. In 2014, operating expenditures include estimated accommodation charges of $14.74 million for Winnipeg Police Service (WPS) plus $750,000 in operating costs for the Tower.

Debt and finance charges in 2012 consist of estimated principal and interest payments of $1.050 million on external debt and $0.569 million in short-term financing costs. For 2013, these amounts are $6.396 million and $0.569 million respectively. In 2014, upon occupancy of the Headquarters building by the WPS, the tax-supported budget impact of the external debt servicing costs is included in the $14.740 million accommodation charges (i.e. operating expenditures) to be incurred by the WPS. The 2014 debt and finance charges represent the short-term financing costs of $0.569 million on the acquisition of the Office Tower.

Transfers to the General Capital Fund of $1.4 million and $5.6 million in 2012 and 2013 respectively are to fund the $7 million in construction interest to be incurred on the redevelopment of the Canada Post Building.

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

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

Project Name: **Bomb Magazine Storage Facility**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	372	-	-	-	-	-	-	372
Financed by:									
Transfer from Prior Authorization (2010 Aerial Support Unit)		372						-	372

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	372	-	-	-	-	-	-	372
Financed by:								
Transfer from Prior Authorization (2010 Aerial Support Unit)	372							372

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The current location where the WPS houses its bomb magazines is no longer available due to the operational needs of the provider. The bomb magazines need to be removed and a secure replacement storage site be prepared. The costs for preparing the new site, roadwork, pad enhancement , removal, transfer and placement of bomb magazine, along with security and storage requirements comprise the requested funding.

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

Project Name: **Building Video Surveillance Systems**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	4,000	4,000	4,000
Financed by:									
Cash to Capital							4,000	4,000	4,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	-	4,000	-	4,000
Financed by:								
Cash to Capital						4,000		4,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

To anticipate the need to have a service wide prisoner tracking system. This may be a legislative requirement in the future.

Project Name: **Communication Centre Back Up Site Upgrade**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	400	400	400
Financed by:									
Cash to Capital							400	400	400

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	-	400	-	400
Financed by:								
Cash to Capital						400		400

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

To upgrade technical equipment in the 911 backup facility.

Project Name: **Card Access**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	400	-	-	-	400	400
Financed by:									
Cash to Capital				400				400	400

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	400	-	-	-	-	400
Financed by:								
Cash to Capital			400					400

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			400
SURPLUS/(DEFICIT)	-	-	(400)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

With the new Police Building having a new card access system it would be prudent to change all other remaining police facilities to the same system to make them all compatible.

** 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	2012 Estimate	Forecast 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	2,500	3,358	1,500	1,500	4,000	-	12,858
Financed by:								
Cash to Capital		2,500	3,358	1,500	1,500	4,000	-	12,858

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		50	67
SURPLUS/(DEFICIT)	-	(50)	(67)

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. Included in previous years' budgets was $300,000 designated for the Pump and Aerial Test Facility at 2546 McPhillips Street. As the funds are no longer needed for this purpose, this budget has been allocated to the Phase I stations replacement.

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)

2015/2017

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	2012 Estimate	Forecast 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	200	-	200	120	720	720
Financed by:									
Cash to Capital			200	200		200	120	720	720

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	200	200	-	200	120	-	720
Financed by:								
Cash to Capital		200	200		200	120		720

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		200	200
SURPLUS/(DEFICIT)	-	(194)	(194)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

Included in this program is the potential acquisition of survey equipment for the Geomatics Branch including data collectors, total stations, GPS equipment, laser scanners, etc.

* 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
Project: 6351300111

Capital Priority Rating: 1 - 2
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,324	400	381	400	400	443	405	2,029	2,429
Financed by:									
Cash to Capital		400	381	400	400	443	405	2,029	2,429

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	400	381	400	400	443	405	-	2,429
Financed by:								
Cash to Capital	400	381	400	400	443	405		2,429

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	12	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	400	381	400
SURPLUS/(DEFICIT)	(388)	(369)	(388)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

This program supports the acquisition of riverbank lands for the Cityís 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. Greenway funds focus on major park and greenspace connections to the watershed and are aligned to complement active transportation initiatives.

2011 Projects

Boni-Vital Parkway- Winnipeg Canoe Club Connection

Seine River Greenway- Shorehill to Creek Bend Road Connections

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

South Winnipeg Parkway- Churchill Drive Pathway Remediation

2012 Proposed Projects

Fort Rouge Park - Pathway Renewal

North Assiniboine Parkway- Riverwalk Upgrades

Project Name: **Cemeteries - Improvements**

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,616	500	450	350	410	382	408	2,000	2,500
Financed by:									
Cash to Capital		300	300	200	260	232	258	1,250	1,550
Veterans Affairs Canada		200	150	150	150	150	150	750	950

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	450	350	410	382	408	-	2,500
Financed by:								
Cash to Capital	300	300	200	260	232	258		1,550
Veterans Affairs Canada	200	150	150	150	150	150		950

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	11	11	8
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	300	300	200
SURPLUS/(DEFICIT)	(289)	(289)	(192)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 $60,000 in 2007, $120,000 in 2008, $200,000 in 2009, $150,000 in 2010, $190,000 in 2011 and there have been discussions of up to $150,000 per annum for further years to complete the project. Further funding is promised but not guaranteed for the next 10 years. The increase in budget is required as the VAC funding year is 1st April to 31st March and additional monies are often made available in January of each year, the increase will permit a cashflow to support the additional funding; additional funds have been made available for the previous three funding years. The additional VAC funding requires increased financial support from the City to cover the cost of landscaping and installation costs; VAC fund foundation and monument repairs and manufacturing/supply costs.

In addition, the Capital funds are required for the purchase and installation of columbaria and private family estates and mausolea interment facilities at City cemeteries. These product categories generate higher revenue levels and in the past the investment in columbaria units has generated revenues in excess of 200% of the investment sum. The Transcona Cemetery Chapel building is decaying and becoming unsafe, it requires renovation and the inclusion of indoor columbaria to generate revenue in support of funding the building renovation. This project will also be partially funded by community donations but funding levels are unknown at this time.

Project Name: **Downtown Enhancement Program**

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,818	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	12	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	400	400	400
SURPLUS/(DEFICIT)	(388)	(388)	(388)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 in 2012-2017 include but are not limited to: Old Market Square Phase III; Bonnycastle Park and Assiniboine River walk; Air Canada Park; Downtown and Exchange District Pedestrian Facilities Enhancements; East Exchange Manitoba Sports Federation Streetscaping; Broadway; and the Edmonton Street Pedestrian Corridor.

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 Image and Neighbourhood Main Streets**

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	489	400	400	400	400	400	2,000	2,489
Financed by:									
Cash to Capital		489	400	400	400	400	400	2,000	2,489

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	489	400	400	400	400	400	-	2,489
Financed by:								
Cash to Capital	489	400	400	400	400	400		2,489

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	12	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	489	400	400
SURPLUS/(DEFICIT)	(477)	(388)	(388)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The City of Winnipeg reinvests in BIZ districts and their neighbourhoods. Business Improvement Zones have their own distinct character with their own style of mixed-use, walkable business districts which serve as the cores of their neighbourhooods. With the completion of "Our Winnipeg" and the adoption of the document "Complete Communities", these funds provide the opportunity for the City to work with the BIZ Zones, allowing 'partnerships' to be explored and formed between the City, BIZ, Private Sector, Not-for-Profit, other funding agencies and other government bodies. This capital fund gives the incentive for the BIZ groups to go out and find 'matching dollars' from sources other than the City. This capital fund, through partnerships, stimulates revitalization.

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 to ensure 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.

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.

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

2013 - Osborne Village BIZ (Major Project Revitalization), Norwood Grove BIZ (Major Project Revitalization), Sellkirk Ave BIZ LiveSafe Neighbourhood Project, Old St Vital BIZ (Concept Plan Development), St. James Village BIZ (Major Project Revitalization), West Broadway BIZ (Major Project Revitalization).

2014 - Norwood Grove BIZ (Major Project Revitalization), Old St Vital BIZ (Major Project Revitalization), Osborne South BIZ (Concept Plan).

* 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,600	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500	500	500
SURPLUS/(DEFICIT)	(485)	(485)	(485)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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

The Winnipeg Arts Council as the City of Winnipeg's implementation partner submits annually for approval a plan for the works to be undertaken.

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	300	-	300	300	300	1,200	1,400
Financed by:									
Cash to Capital		200	300		300	300	300	1,200	1,400

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	200	300	-	300	300	300	-	1,400
Financed by:								
Cash to Capital	200	300		300	300	300		1,400

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	9	9	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	200	300	
SURPLUS/(DEFICIT)	(191)	(291)	9

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	995	290	210	380	245	275	280	1,390	1,680
Financed by:									
Cash to Capital		290	210	380	245	275	280	1,390	1,680

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	290	210	380	245	275	280	-	1,680
Financed by:								
Cash to Capital	290	210	380	245	275	280		1,680

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	9	6	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	290	210	380
SURPLUS/(DEFICIT)	(281)	(204)	(368)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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, recognizing the need to do work concurrently beyond the basic requirements of the Development Agreement, 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, site furnishings, 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 to reflect industry build out and Development Agreement amendments.

Project Name: **Weather Protected Walkway System**

Department: Planning, Property and Development
Capital Priority Rating: 1 - 1
Project: 63xx00xx12
Service: City Beautification

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	194	-	-	-	-	-	-	194
Financed by:									
Cash to Capital		194						-	194

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	194	-	-	-	-	-	-	194
Financed by:								
Cash to Capital	194							194

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	6		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	194		
SURPLUS/(DEFICIT)	(188)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The $194,000 represents the funds remaining from the City of Winnipeg's $2,000,000 contribution to the "Closing the Loop" initiative. As per the Council minutes dated November 19, 2008 these funds are to be used for directional signage within the Weather Protected Walkway System.

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	6,800	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	1,000	5,000	5,000
Manitoba Winnipeg Infrastructure Fund (MWIF)	4,900	1,000							1,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	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		5,000
Manitoba Winnipeg Infrastructure Fund (MWIF)	1,000							1,000

Revenue increase/(decrease)	10	30	30
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		1,000	1,000
SURPLUS/(DEFICIT)	10	(970)	(970)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 and 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**

Back to Capital Projects Summary

Project Name: **Building Communities Initiative II**

Department: Planning, Property and Development
Capital Priority Rating: 2 - 4
Project: 6351200011
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	11,500 *	2,000	2,000	2,000	2,500	-	-	6,500	8,500
Financed by:									
Cash to Capital		1,000	1,000	1,000	1,250			3,250	4,250
Manitoba Winnipeg Infrastructure Fund (MWIF)		1,000	1,000	1,000	1,250			3,250	4,250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,000	2,000	2,000	2,500	-	-	-	8,500
Financed by:								
Cash to Capital	1,000	1,000	1,000	1,250				4,250
Manitoba Winnipeg Infrastructure Fund (MWIF)	1,000	1,000	1,000	1,250				4,250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	20	20	20
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	1,000	1,000	1,000
SURPLUS/(DEFICIT)	(980)	(980)	(980)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 $20 million "Building Communities II" Agreement between the City of Winnipeg and Province of Manitoba was executed on May 27, 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: **Building Communities Initiative III**

Department: Planning, Property and Development
Capital Priority Rating: 2 - 4
Project: 63512000xx
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	2,100	2,120	4,220	4,220
Financed by:									
Cash to Capital						1,050	1,060	2,110	2,110
Manitoba Winnipeg Infrastructure Fund (MWIF)						1,050	1,060	2,110	2,110

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	2,100	2,120	-	4,220
Financed by:								
Cash to Capital					1,050	1,060		2,110
Manitoba Winnipeg Infrastructure Fund (MWIF)					1,050	1,060		2,110

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

The "Building Communities III" program is subject to a future agreement between the City of Winnipeg and Province of Manitoba.

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

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Department: Municipal Accommodations
Capital Priority Rating: 3 - 3
Project: 633100002yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500	500	500
SURPLUS/(DEFICIT)	(485)	(485)	(485)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,100	2,200	1,830	2,100	1,239	2,251	9,620	10,720
Financed by:									
Cash to Capital		1,100	2,200	1,830	2,100	1,239	2,251	9,620	10,720

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,100	2,200	1,830	2,100	1,239	2,251	-	10,720
Financed by:								
Cash to Capital	1,100	2,200	1,830	2,100	1,239	2,251		10,720

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	33	66	55
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	1,100	2,200	1,830
SURPLUS/(DEFICIT)	(1,067)	(2,134)	(1,775)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 2012 include the following:

Elevator and escalator upgrades - various facilities

HVAC upgrades - 251 Donald, 510 Main and various facilities

Building envelope evaluation and roof repair, refurbishment - 510 Main, 5006 Roblin and various facilities

Accessibility Improvements - 510 Main and various facilities

* 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
Project: 63310004yy
Capital Priority Rating: 3 - 4
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	549	525	1,014	725	625	710	3,599	4,148
Financed by:									
Cash to Capital		549	525	1,014	725	625	710	3,599	4,148

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	549	525	1,014	725	625	710	-	4,148
Financed by:								
Cash to Capital	549	525	1,014	725	625	710		4,148

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	16	16	34
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	549	525	1,014
SURPLUS/(DEFICIT)	(533)	(509)	(980)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 2012 include the following:

Fire alarm/gas detection upgrades - various facilities

Asbestos abatement - various facilities

* 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	400	150	200	100	100	150	700	1,100
Financed by:									
Cash to Capital		400	150	200	100	100	150	700	1,100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	400	150	200	100	100	150	-	1,100
Financed by:								
Cash to Capital	400	150	200	100	100	150		1,100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	12	5	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	400	150	200
SURPLUS/(DEFICIT)	(388)	(145)	(194)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

This project is for Energy Conservation initiatives which include upgrading/replacement of building systems to improve energy efficiency as identified through the Asset Management program for various facilities to meet the requirements of the Federal Office of Energy Efficiency and other changing Government Regulations/Policies. Facilities include all recreation facilities and accommodation facilities.

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

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

Department: Municipal Accommodations
Project: 63310023yy
Capital Priority Rating: 3 - 4
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	-	-	200	200	180	580	1,080
Financed by:									
Cash to Capital		500			200	200	180	580	1,080

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	-	-	200	200	180	-	1,080
Financed by:								
Cash to Capital	500			200	200	180		1,080

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	15		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500	-	-
SURPLUS/(DEFICIT)	(485)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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
Project: 63310007yy

Capital Priority Rating: 3 - 2
Service: Heritage Conservation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	6	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	200	200	200
SURPLUS/(DEFICIT)	(194)	(194)	(194)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	800	-	200	-	200	1,200	1,200
Financed by:									
Cash to Capital			800		200		200	1,200	1,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	800	-	200	-	200	-	1,200
Financed by:								
Cash to Capital		800		200		200		1,200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		24	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		800	
SURPLUS/(DEFICIT)	-	(776)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The emergency generator sets in a number of facilities are coming to the end of their useful life and there is a possibility of existing generators are 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 and as such existing generator may not have capacity to supply these systems. Building occupants are requesting backup power for their information technology operations which existing generator sets are not able to provide. As well there is an need to strategically locate new generators in facilities as part of an overall city emergency preparedness plan.

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	825	125	225	225	225	140	188	1,003	1,128
Financed by:									
Cash to Capital		125	225	225	225	140	188	1,003	1,128

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	125	225	225	225	140	188	-	1,128
Financed by:								
Cash to Capital	125	225	225	225	140	188		1,128

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	4	7	7
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	125	225	225
SURPLUS/(DEFICIT)	(121)	(218)	(218)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	700	700	700	620	3,220	3,720
Financed by:									
Cash to Capital		500	500	700	700	700	620	3,220	3,720

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	500	700	700	700	620	-	3,720
Financed by:								
Cash to Capital	500	500	700	700	700	620		3,720

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	15	15	21
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500	500	700
SURPLUS/(DEFICIT)	(485)	(485)	(679)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

This program is for refurbishment and improvements of Community Centres (CC).

Projects for 2012 include the following:

Roofing / Building Envelope / Structural Upgrades: Chalmers CC, Gateway CC, and Waverley Heights CC

Parking Lot / Site Drainage / Hard Surface Building Access Upgrade: Waverley Heights CC

* 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
Project: 63910001yy

Capital Priority Rating: 1 - 4
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	16	16	16
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	525	525	525
SURPLUS/(DEFICIT)	(509)	(509)	(509)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 2012 include the following:

Parking Lot repairs - Various

Roof replacement B1 - Charles Barbour

Glue Lam beam cladding - Billy Mosienko / Pioneer

Lighting upgrades - Various

Ice Plant Component Replacement - River East

* 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,530	2,530	2,530	2,530	2,530	2,530	12,650	15,180
Financed by:									
Cash to Capital		2,530	2,530	2,530	2,530	2,530	2,530	12,650	15,180

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,530	2,530	2,530	2,530	2,530	2,530	-	15,180
Financed by:								
Cash to Capital	2,530	2,530	2,530	2,530	2,530	2,530		15,180

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	76	76	76
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	2,530	2,530	2,530
SURPLUS/(DEFICIT)	(2,454)	(2,454)	(2,454)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 2012 include the following:

Replace handrails - Pan Am

Parking lot repairs - St James Centennial / CKRC

Change room renovations - St James Centennial / North End Centennial

UV Disinfection - Various indoor pools

Pump Replacement - 909 Concordia

Mechanical Upgrades - St James Centennial / Boni-Vital

Roof Replacement - St James Civic Centre

* 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
Project: 63930001yy

Capital Priority Rating: 1 - 4
Service: Recreation

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	350	350	330	330	350	342	1,702	2,052
Financed by:									
Cash to Capital		350	350	330	330	350	342	1,702	2,052

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	350	350	330	330	350	342	-	2,052
Financed by:								
Cash to Capital	350	350	330	330	350	342		2,052

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	11	11	10
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	350	350	330
SURPLUS/(DEFICIT)	(339)	(339)	(320)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 2012 include the following:

Wading Pool replacement - 709 Manhattan

Mechanical / Electrical upgrades - 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	6	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	200	200	200
SURPLUS/(DEFICIT)	(194)	(194)	(194)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 2012 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
Project: 63900010yy

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	100	100	200	200	162	152	814	914
Financed by:									
Cash to Capital		100	100	200	200	162	152	814	914

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	100	100	200	200	162	152	-	914
Financed by:								
Cash to Capital	100	100	200	200	162	152		914

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	3	3	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	100	100	200
SURPLUS/(DEFICIT)	(97)	(97)	(194)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)	3	3	3
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	100	100	100
SURPLUS/(DEFICIT)	(97)	(97)	(97)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **City-Wide Accessibility Program**

Department: Municipal Accommodations
Capital Priority Rating: 2 - 3

Project: 639000XXyy
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	350	350	350	350	350	350	-	2,100
Financed by:								
Cash to Capital	350	350	350	350	350	350		2,100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	11	11	11
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	350	350	350
SURPLUS/(DEFICIT)	(339)	(339)	(339)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Funding to address city wide 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: **Emergency Repair / Replacement of the Cooling Plant - 510 Main Street**

Department: Municipal Accommodations
Capital Priority Rating: 2 - 3
Project: 639000XXyy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,800	-	-	-	-	-	-	1,800
Financed by:									
Transfer from Departmental Non-specified Capital Account		1,800						-	1,800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,800	-	-	-	-	-	-	1,800
Financed by:								
Transfer from Departmental Non-specified Capital Account	1,800							1,800

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	54		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	54	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The project is to replace the two water cooled chillers at 510 Main. The one of the two existing chillers suffered a catastrophic and unexpected failure in 2010. The remaining chiller is not operating reliably and requires significant maintenance resources to continue to operate. It is not expected that the remaining chiller will provide service for the 2012 summer season and as a result the 510 Main complex (the Administration and Council buildings) will be without mechanical cooling. This may result in building closure for part of the cooling season. It is necessary to replace both chillers in the facility.

Back to Capital Projects Summary

Project Name: **East Yard Complex Development**

Department: Municipal Accommodations
Project: 63xx00xx12

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

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	49,520	-	-	-	-	-	-	49,520
Financed by:									
Interim Financing from Land Operating Reserve (Repayment)		3,771		(3,321)		(450)		(3,771)	-
Land Operating Reserve				3,321		450		3,771	3,771
Transfer from Prior Years' Surplus		4,335						-	4,335
External Debt		41,414						-	41,414

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	33,047	16,473	-	-	-	-	-	49,520
Financed by:								
Interim Financing from Land Operating Reserve (Repayment)	3,771		(3,321)		(450)			-
Land Operating Reserve			3,321		450			3,771
Transfer from Prior Years' Surplus	4,335							4,335
External Debt	24,941	16,473						41,414

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	746	323	53
Less:			
Operating expenditures increase/(decrease)	690	2,333	3,975
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	56	(2,010)	(3,922)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The Public Works East Yard Complex will combine operations on the east side of the Red River to provide more efficient and cost effective service delivery and vacate/dispose of existing properties which are beyond their useful life.

On July 22, 2009, Council approved the Public Works East Yards Consolidation Project be located at the former Elmwood/Nairn Landfill Site; the Traffic Signals Branch (TSB) and components (3 bays) of Winnipeg Fleet Management Agency (WFMA) be relocated from Tecumseh and Elgin to the Public Works Campus at Pacific Avenue; and the relocation of the WFMA from Tecumseh and Elgin to the Public Works East Yards.

On November 16, 2011, Council approved the award of contract and funding strategy for a consolidated Public Works Department and WFMA East Yard Complex at the former Elmwood Nairn Landfill site.

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

Project Name: **Corporate Records Centre**

Department: City Clerks
Project: 0400000912

Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	575	150	-	-	-	-	150	150	300
Financed by:									
Cash to Capital		150					150	150	300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	150	-	-	-	-	150	-	300
Financed by:								
Cash to Capital	150					150		300

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	150		
SURPLUS/(DEFICIT)	(150)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

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	2012 Estimate	FORECAST 2013 **	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	150	200	-	-	200	550	550
Financed by:									
Cash to Capital			150	200			200	550	550

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	150	200	-	-	200	-	550
Financed by:								
Cash to Capital		150	200			200		550

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		150	200
SURPLUS/(DEFICIT)	-	(150)	(200)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 election.

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

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

Project Name: **City Archives**

Department: City Clerks
Project: 0400000111

Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	500	500	500	500	-	-	1,500	2,000
Financed by:									
Cash to Capital		500	500	500	500			1,500	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2018	Total
Project Costs ($000's)	500	500	500	500	-	-	-	2,000
Financed by:								
Cash to Capital	500	500	500	500				2,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500	500	500
SURPLUS/(DEFICIT)	(500)	(500)	(500)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **PeopleSoft Upgrade**

Department: Corporate Support Services
Capital Priority Rating: 2 - 3
Project: 3455000012
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,500	1,000	200	-	-	-	2,500	2,700	3,700
Financed by:									
Cash to Capital		1,000	200				2,500	2,700	3,700

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,000	200	-	-	-	2,500	-	3,700
Financed by:								
Cash to Capital	1,000	200				2,500		3,700

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	1,000	200	
SURPLUS/(DEFICIT)	(1,000)	(200)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

Back to Capital Projects Summary

Project Name: **Communications Network Infrastructure**

Department: Corporate Support Services
Capital Priority Rating: 2 - 4
Project: 3401XXXX12
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	593	277	541	566	553	506	2,443	3,036
Financed by:									
Cash to Capital		593	277	541	566	553	506	2,443	3,036

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	593	277	541	566	553	506	-	3,036
Financed by:								
Cash to Capital	593	277	541	566	553	506		3,036

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	593	277	541
SURPLUS/(DEFICIT)	(593)	(277)	(541)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **Enterprise Computing Initiatives**

Department: Corporate Support Services
Capital Priority Rating: 3 - 4
Project: 3402XXXX12
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	630	613	717	515	585	844	3,274	3,904
Financed by:									
Cash to Capital		630	613	717	515	585	844	3,274	3,904

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	630	613	717	515	585	844	-	3,904
Financed by:								
Cash to Capital	630	613	717	515	585	844		3,904

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer for General Capital Fund	630	613	717
SURPLUS/(DEFICIT)	(630)	(613)	(717)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The City utilizes enterprise servers, storage and systems software infrastructure to address the computing requirements of a wide variety of critical business functions (311, PeopleSoft, Property Assessment, Taxation, Permitting, Parking Enforcement, Public Facing Internet, etc). This infrastructure has a finite lifespan and needs to be replaced (evergreened) on a periodic basis (every five years) to ensure its continued operation and support of the business functions. There are also requirements to expand the capacity of this infrastructure to support the growing requirements of the organization. There are also requirements to expand the capability of this infrastructure to support the new functionality requirements of the organization and to allow the requirements of the organization to be addressed at a lower cost (e.g. server virtualization, enhanced availability for critical systems, enhanced virus and SPAM protection).

* 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: 3453XXXX12
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	229	150	300	200	250	1,129	1,129
Financed by:									
Cash to Capital			229	150	300	200	250	1,129	1,129

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	229	150	300	200	250	-	1,129
Financed by:								
Cash to Capital		229	150	300	200	250		1,129

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		229	150
SURPLUS/(DEFICIT)	-	(229)	(150)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **Data Warehouse / Business Intelligence**

Department: Corporate Support Services
Capital Priority Rating: 2 - 3
Project: 3456000012
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	169	153	218	203	149	892	892
Financed by:									
Cash to Capital			169	153	218	203	149	892	892

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	169	153	218	203	149	-	892
Financed by:								
Cash to Capital		169	153	218	203	149		892

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		169	153
SURPLUS/(DEFICIT)	-	(169)	(153)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The ability to accurately and consistently report data from many applications is becoming increasingly important. The Data Warehouse 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.

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

Project Name: **311 Renewal**

Department: Corporate Support Services
Capital Priority Rating: 2 - 2
Project: 3457000013
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	300	646	729	335	402	2,412	2,412
Financed by:									
Cash to Capital			300	646	729	335	402	2,412	2,412

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	300	646	729	335	402	-	2,412
Financed by:								
Cash to Capital		300	646	729	335	402		2,412

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		300	646
SURPLUS/(DEFICIT)	-	(300)	(646)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **PSB Fibre Relocate**

Department: Corporate Support Services
Capital Priority Rating: 2 - 2
Project: 34XXXXXX17
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	300	-	-	-	-	300	300
Financed by:									
Cash to Capital			300					300	300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	300	-	-	-	-	-	300
Financed by:								
Cash to Capital		300						300

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		300	
SURPLUS/(DEFICIT)	-	(300)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

$300,000 for Public Safety Building (PSB) fibre network relocate is necessitated by the impending move of Winnipeg Police Service (WPS) away from the PSB, a key distribution site in the City's network. The uncertain fate of the building includes sale or demolition. However, two of the City's major fibre networks currently run through the PSB and new paths for those fibres must be constructed to route them away from the building to maintain network ring redundancy. This needs to be done to avoid a very high risk to network availability for a large part of the City's network for many departments including WPS, Winnipeg Fire Paramedic Service and City Council and Administration at 510 Main Street. Additionally, the new PSB building at 266 Graham must be accounted for on the network.

The two fibre networks are:

1. The fibre campus network servicing 510 Main Admin Building, 510 Main Council Building, 185 King Mandarin Building, and 180 King Dynasty Building

2. The Teraspan network in southwest Winnipeg connecting 54 buildings - including connecting the future headquarters at 266 Graham.

The timing of the capital request for 2013 is to match with WPS' escalation to complete their move by the end of 2013. The capital was not part of WPS' business case and project budget, as these two requirements are not solely related to WPS. While the PSB move is the catalyst, this capital is being requested separately by Corporate Support Services Connectivity Division as the requirement is for the common good of many City departments.

Project Name: **Teraspan Fibre Ring Renewal**

Department: Corporate Support Services
Capital Priority Rating: 2 - 2
Project: 34XXXXXX14
Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	400	800	-	-	1,200	1,200
Financed by:									
Cash to Capital				400	800			1,200	1,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	400	800	-	-	-	1,200
Financed by:								
Cash to Capital			400	800				1,200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			400
SURPLUS/(DEFICIT)	-	-	(400)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

The City currently owns and maintains a 55 km fibre optics plant, which provides ultra-highspeed network connectivity to 55 buildings throughout Winnipeg. The fibre ring also provides redundant connections between our datacenters (510 Main and 700 Assiniboine Park Drive); as a result, all departments including public safety entities are stakeholders in this very important service.

Implemented in 2008, this fibre ring is maintained under a contract with TeraSpan Networks. TeraSpan owns the conduit that the fibre runs through, while the City owns the fibre strands. A monthly maintenance cost ensures fibre cuts are repaired expediently and with guaranteed service levels; this is extremely important as the fibre is buried very shallow along sidewalks and curbs (often mere inches) and is periodically damaged by street crews.

In 2015 the contract with TeraSpan will come to an end. Prior to this point an architectural decision must be made, either to maintain the current fibre ring under a renewed contract, or retire it in favour of other more traditional options such as leased services or traditional-depth fibre. No decision is without cost and risk:

1) TeraSpan owns the conduit but has had no further opportunity for business in Winnipeg; they may raise maintenance rates astronomically or choose to end their presence altogether in Winnipeg, in which case the cost to buy out their investment may be an option. Further, City departments such as Public Works may mandate additional measures to distance the fibre plant from their surface crews;

2) Leased services from providers such as Bell, Shaw and MTS carry heavy upfront and recurring operational costs, all of which drove the City to consider a fibre plant in the first place;

3) Traditional fibre that is buried several feet below ground is significantly more expensive and cannot be considered without a major upfront investment; even then, not all current buildings would be viable to connect, requiring some amount of TeraSpan and/or leased services as well.

Due to this uncertainty, capital is being requested in 2014 and 2015 that would contribute to any combination of the above solutions, in whole or in part. As options become clearer in 2012 a formal plan will ensure this critical internal service is maintained beyond the end of the current contract.

Project Name: **Assessment Automation**

Department: Assessment and Taxation
Project: 1400000111

Capital Priority Rating: 3 - 3
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	-	-	750	500	350	1,600	2,100
Financed by:									
Cash to Capital		500			750	500	350	1,600	2,100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	-	-	750	500	350	-	2,100
Financed by:								
Cash to Capital	500			750	500	350	-	2,100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	500		
SURPLUS/(DEFICIT)	(500)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 to 2017 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 twelve years old in 2011. 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: **City-Wide Asset Management Initiative**

Department: Corporate Finance
Project: 1200001412
Capital Priority Rating: 3 - 1
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
Cash to Capital		100						-	100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
Cash to Capital	100							100

OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	100		
SURPLUS/(DEFICIT)	(100)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

Following Audit report recommendations and EPC motion for the Public Service to improve its management of the City's Infrastructure, a city-wide asset management initiative was started in 2010.

The City-Wide Asset Management Initiative will assist departments to follow 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.

Part of the funding will be used to acquire expert consultant services to assist in the implementation of new business processes within departmental asset management programs.

Future requirements may include a corporate asset management information system. Consideration will be given to maximize the City's Data Warehouse development.

Project Name: **Innovative Transit Program**

Department: Transit
Project: 423000xxyy

Capital Priority Rating: 3 - 2
Service: Public Transit

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	250	800	800	800	1,000	1,000	4,400	4,650
Financed by:									
Cash to Capital		250	800	800	800	1,000	1,000	4,400	4,650

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	250	800	800	800	1,000	1,000	-	4,650
Financed by:								
Cash to Capital	250	800	800	800	1,000	1,000		4,650

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	7	24	24
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		35	150
SURPLUS/(DEFICIT)	7	(11)	(126)

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	13,273	9,409	9,388	11,569	4,585	4,171	4,171	33,884	43,293
Financed by:									
Cash to Capital		2,350	8,787	11,283	4,585	4,171	4,171	32,997	35,347
Federal Gas Tax		6,059	601	286				887	6,946
Retained Earnings		1,000							1,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	9,409	9,388	11,569	4,585	4,171	4,171	-	43,293
Financed by:								
Cash to Capital	2,350	8,787	11,283	4,585	4,171	4,171		35,347
Federal Gas Tax	6,059	601	286					6,059
Retained Earnings	1,000							1,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	47	176	226
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		213	1,051
SURPLUS/(DEFICIT)	47	(37)	(825)

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	2012 Estimate **	FORECAST 2013 **	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	13,500	16,009	17,583	18,547	22,850	24,014	99,003	112,503
Financed by:									
Cash to Capital					1,361	4,664	4,664	10,689	10,689
Transit Bus Replacement Reserve		8,196	6,890	8,149	7,466	8,466	9,630	40,601	48,797
Provincial Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	19,200	23,040
Federal Gas Tax		421	5,279	5,594	5,880	5,880	5,880	28,513	28,934
Retained earnings		1,043							1,043

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	13,500	16,009	17,583	18,547	22,850	24,014	112,503
Financed by:								
Cash to Capital					1,361	4,664	4,664	10,689
Transit Bus Replacement Reserve		8,196	6,890	8,149	7,466	8,466	9,630	48,797
Provincial Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	23,040
Federal Gas Tax		421	5,279	5,594	5,880	5,880	5,880	28,934
Retained earnings		1,043						1,043

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)		264	238
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	264	238

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 all out-fitting costs associated with these purchases 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: **Rapid Transit Planning and Design**

Department: Transit
Project: 4230010512

Capital Priority Rating: 3 -3
Service: Public Transit

AUTHORIZATION	Previous Budgets	2012 * Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	-	-	-	-	-	-	1,000
Financed by:									
Cash to Capital		550						-	550
Transfer from Prior Years' Surplus		450						-	450

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,000	-	-	-	-	-	-	1,000
Financed by:								
Cash to Capital	550							550
Transfer from Prior Years' Surplus	450							450

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	20		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		139	142
SURPLUS/(DEFICIT)	20	(139)	(142)

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

Rapid Transit service on Stage 1 of the Southwest Rapid Transit Corridor commences in April 2012. The Transportation Master Plan recommends the construction of additional Rapid Transit facilities in the city. This project would provide for the planning, design, and preparation of future Rapid Transit Corridors. Consideration may be given to, but would not necessarily be limited to, the Eastern Transit Corridor, and Stage 2 of the Southwest Rapid Transit Corridor.

Potential project elements include the update of functional design work completed in the past for Stage 2 of the Southwest Corridor and the Eastern Corridor, the assessment of alternative alignments for each corridor, identification of property requirements, the preparation of capital cost estimates, and undertaking preliminary design for Stage 2 of the Southwest Rapid Transit Corridor.

Estimated useful life is dependent upon the assets constructed out of the design work.

***** The City will request $1 million of new, incremental funding from the Province to match this capital authorization.

Project Name: **Asset Management Program**

Department: Transit
Project: 420000xxyy

Capital Priority Rating: 3 -1
Service: Public Transit

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	300	-	-	-	-	-	-	300
Financed by:									
Cash to Capital		200						-	200
Retained earnings		100						-	100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	300	-	-	-	-	-	-	300
Financed by:								
Cash to Capital	200							200
Retained earnings	100							100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)	7		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		28	28
SURPLUS/(DEFICIT)	7	(28)	(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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	300	-	400	-	400	1,100	1,100
Financed by:									
Cash to Capital			300		400		400	1,100	1,100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	300	-	400	-	400	-	1,100
Financed by:								
Cash to Capital		300		400		400		1,100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		300	
SURPLUS/(DEFICIT)	-	(300)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	300	1,000	900	1,500	1,000	1,000	5,400	5,700
Financed by:									
Cash to Capital		300	1,000	900	1,500	1,000	1,000	5,400	5,700

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	300	1,000	900	1,500	1,000	1,000	-	5,700
Financed by:								
Cash to Capital	300	1,000	900	1,500	1,000	1,000		5,700

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	300	1,000	900
SURPLUS/(DEFICIT)	(300)	(1,000)	(900)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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. A program to address high priority reliability items has been developed for implementation over the next 6 years. 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	300	800	600	1,500	1,400	1,500	5,800	6,100
Financed by:									
Cash to Capital		300	800	600	1,500	1,400	1,500	5,800	6,100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	300	800	600	1,500	1,400	1,500	-	6,100
Financed by:								
Cash to Capital	300	800	600	1,500	1,400	1,500		6,100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	300	800	600
SURPLUS/(DEFICIT)	(300)	(800)	(600)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

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

Project Name: **Floodplain Management**

Department: Water and Waste
Project: 20700004yy

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,323	300	100	100	-	100	-	300	600
Financed by:									
Cash to Capital		300	100	100		100		300	600

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	300	100	100	-	100	-	-	600
Financed by:								
Cash to Capital	300	100	100		100			600

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	300	100	100
SURPLUS/(DEFICIT)	(300)	(100)	(100)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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, remove and relocate 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. 18 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	998	150	150	150	150	150	150	750	900
Financed by:									
Cash to Capital		150	150	150	150	150	150	750	900

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	150	150	150
SURPLUS/(DEFICIT)	(150)	(150)	(150)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,075	2,190	-	-	900	900	1,500	3,300	5,490
Financed by:									
Cash to Capital		2,190			900	900	1,500	3,300	5,490

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,190	-	-	900	900	1,500	-	5,490
Financed by:								
Cash to Capital	2,190			900	900	1,500		5,490

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	2,190		
SURPLUS/(DEFICIT)	(2,190)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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. For the projected 2011 peak, these creeks had to be again isolated from the river by "bagging" off culverts through roadways, installing " high levie" piping through these roadways and placement of agricultural pumps to keep levels in the adjacent stormwater retention basins low. 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 isolate this creek. 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. Once these works are completed, design of a permanent gate chamber for Baldry Creek will be undertaken.

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	631	-	-	100	-	-	-	100	100
Financed by:									
Cash to Capital				100				100	100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	100	-	-	-	-	100
Financed by:								
Cash to Capital			100					100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			100
SURPLUS/(DEFICIT)	-	-	(100)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	200	-	-	-	200	200
Financed by:									
Cash to Capital				200				200	200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	200	-	-	-	-	200
Financed by:								
Cash to Capital			200					200

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			200
SURPLUS/(DEFICIT)	-	-	(200)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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.

The work will be completed as part of the City of Winnipeg Corporate Asset Management Initiative.

Project Name: **Land Drainage Utility Study and Implementation**

Department: Water and Waste
Project: 20700015yy

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Cash to Capital			500					500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Cash to Capital		500						500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		500	
SURPLUS/(DEFICIT)	-	(500)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	150	-	-	-	-	-	-	150
Financed by:									
Cash to Capital		150						-	150

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	150	-	-	-	-	-	-	150
Financed by:								
Cash to Capital	150							150

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	5	5	5
Debt and finance charges increase			
Transfer to General Capital Fund	150		
SURPLUS/(DEFICIT)	(155)	(5)	(5)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: 20700023yy

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

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	800	948	-	-	-	1,748	1,748
Financed by:									
Cash to Capital			800	948				1,748	1,748

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	800	948	-	-	-	-	1,748
Financed by:								
Cash to Capital		800	948					1,748

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund		800	948
SURPLUS/(DEFICIT)	-	(800)	(948)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 a 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	100	100	100	-	-	-	200	300
Financed by:									
Cash to Capital		100	100	100				200	300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	100	100	100	-	-	-	-	300
Financed by:								
Cash to Capital	100	100	100					300

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	25	25	25
Debt and finance charges increase			
Transfer to General Capital Fund	100	100	100
SURPLUS/(DEFICIT)	(125)	(125)	(125)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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 site and the second phase will be installation of the gauges based on overall priority.

During the 2011 spring flood water level monitoring stations were installed at 4 critical stormwater retention basins and on the North and South Perimeter Bridges.

Project Name: **Outfall Rehabilitation**

Department: Water and Waste
Project: 20780001yy
Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,750	1,300	1,200	1,200	1,508	2,000	7,208	8,958
Financed by:									
Cash to Capital		1,750	1,300	1,200	1,200	1,508	2,000	7,208	8,958

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,750	1,300	1,200	1,200	1,508	2,000	-	8,958
Financed by:								
Cash to Capital	1,750	1,300	1,200	1,200	1,508	2,000		8,958

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	1,750	1,300	1,200
SURPLUS/(DEFICIT)	(1,750)	(1,300)	(1,200)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	4,000	11,000	10,000	10,000	10,000	10,000	51,000	55,000
Financed by:									
Sewer System Rehabilitation Reserve		4,000	11,000	10,000	10,000	10,000	10,000	51,000	55,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	4,000	11,000	10,000	10,000	10,000	10,000	-	55,000
Financed by:								
Sewer System Rehabilitation Reserve	4,000	11,000	10,000	10,000	10,000	10,000		55,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,000	500	500	500	500	-	2,000	3,000
Financed by:									
Developer Capacity Charges		1,000	500	500	500	500		2,000	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,000	500	500	500	500	-	-	3,000
Financed by:								
Developer Capacity Charges	1,000	500	500	500	500			3,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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	$1,000,000
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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	875	-	-	875	875
Financed by:									
Developer Capacity Charges					875			875	875

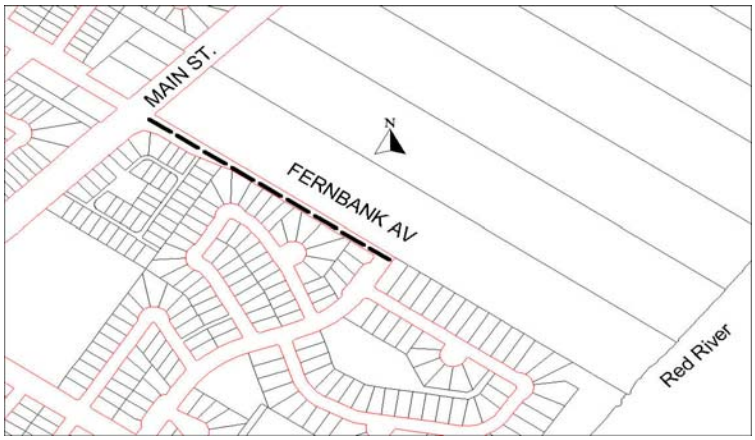
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	875	-	-	-	875
Financed by:								
Developer Capacity Charges				875				875

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

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: **Comprehensive Integrated Waste Management Strategy (CIWMS) - Provision of Automated Refuse Collection Carts**

Department: Water and Waste
Project: 20xxxxxx12
Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	7,250	-	-	-	-	-	-	7,250
Financed by:									
Cash to Capital		7,250						-	7,250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	7,250	-	-	-	-	-	-	7,250
Financed by:								
Cash to Capital	7,250							7,250

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
Transfer to General Capital Fund	7,250		
SURPLUS/(DEFICIT)	(7,250)	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges - Transfer to General Capital Fund*

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan). This project is part of that plan and consists of supplying automated refuse collection carts to 145,000 households (the manually collected portion of the northwest sector of the City received these carts in 2010).

The life of the carts is 20 years.

Project Name: **Shoal Lake Aqueduct and Falcon River Diversion Bridges**

Department: Water and Waste
Project: 20010027yy

Capital Priority Rating: 5 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	1,000	-	-	-	-	1,000	2,000
Financed by:									
Retained Earnings		1,000	1,000					1,000	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,000	1,000	-	-	-	-	-	2,000
Financed by:								
Retained Earnings	1,000	1,000						2,000

NET OPERATING IMPACT	2012	2013	2014
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 1989, the Province and the City entered into the Shoal Lake Tripartite Agreement with Shoal Lake First Nation #40. The intent of the agreement is to protect and maintain the high quality of Winnipeg's drinking water source, while at the same time promoting sustainable economic development for Shoal Lake First Nation #40.

However, key to economic development in the community is the basic requirement of all-weather road access. Currently, seasonal ice conditions limit safe passage for people, and limit delivery of essential goods and services. Limited access also increases the costs to provide basic infrastructure, and as a result the community does not have adequate drinking water or liquid/solid waste management systems.

Plans are underway for development of an all-weather road to the community. The road will cross the Shoal Lake aqueduct and the Falcon River diversion channel, which are critical components of the City of Winnipeg water supply system. Bridges over the City's aqueduct and the diversion channel will be required as part of this road project, and are essential to protect these critical water supply assets from traffic loading.

Estimated life of these assets is 25 years.

Project Name: **Shoal Lake Aqueduct Asset Preservation**

Department: Water and Waste
Project: 20030006yy

Capital Priority Rating: 5 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,784	1,300	800	800	500	500	500	3,100	4,400
Financed by:									
Retained Earnings		1,300	800	800	500	500	500	3,100	4,400

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,300	800	800	500	500	500	-	4,400
Financed by:								
Retained Earnings	1,300	800	800	500	500	500		4,400

NET OPERATING IMPACT	2012	2013	2014
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 or rehabilitation of boathouses 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.

The expected life of this asset is 50 years.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Shoal Lake Aqueduct Intake Facility Rehabilitation**

Department: Water and Waste
Project: 20120002yy

Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,480	1,200	1,300	5,200	-	-	-	6,500	7,700
Financed by:									
Retained Earnings		1,200	1,300	5,200				6,500	7,700

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,200	1,300	5,200	-	-	-	-	7,700
Financed by:								
Retained Earnings	1,200	1,300	5,200					7,700

NET OPERATING IMPACT	2012	2013	2014
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, is the sole water supply infrastructure for the City. The Shoal Lake Intake Structure is the transition headworks to receive water from Shoal Lake and to control the water flow into the Aqueduct. Given the critical nature of the intake structure and its associated Venturi structure to the safe operation of the Aqueduct and the City's water supply, a condition assessment was performed and identified a number of rehabilitation and replacement requirements. This included the replacement and refurbishment of various mechanical components that date back to the original construction, the replacement of the Maintenance/Communication Facility, as well as upgrades and improvements to the existing infrastructures. The recommended improvements will be completed in phases according to priority.

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. 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 to chlorination is being investigated as part of the Drinking Water Quality Strategy.

Quagga and zebra mussel mitigation is under review as zebra mussels have been detected in the Red River in North Dakota. A final report from the Drinking Water Quality Strategy will include quagga and zebra mussel mitigation recommendations. An allowance for implementing mussel mitigation at the intake is included in the budget.

The expected life of this asset is 50 years.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Aqueduct Information Management System**

Department: Water and Waste
Project: 20100006yy

Capital Priority Rating: 5 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2012	2013	2014
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 database a new system is to be developed.

The expected life of this asset is 10 years.

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

Project Name: **Branch I Aqueduct at Seine River - Riverbank Stabilization (east side)**

Department: Water and Waste
Project: 20030009yy
Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,095	400	1,000	-	-	-	-	1,000	1,400
Financed by:									
Retained Earnings		400	1,000					1,000	1,400

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	400	1,000	-	-	-	-	-	1,400
Financed by:								
Retained Earnings	400	1,000						1,400

NET OPERATING IMPACT	2012	2013	2014
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 comprehensive condition assessment of the Branch I Aqueduct reach of the Shoal Lake Aqueduct (Deacon Reservoir to the McPhillips Pumping Station and Reservoir) was undertaken for its entire length from 1994 to 1996. A program to assess the stability of the riverbanks adjacent to the Branch I Aqueduct where it crosses the Seine River commenced in early 1997. Downslope movement of the east riverbank has been recorded since that time and internal structural inspections of the Aqueduct has not revealed any distress of the pipe as yet. The trend of observed riverbank movement continues and the Aqueduct will inevitably be impacted along the east riverbank. Funding is for engineering and construction of riverbank stabilization works to be undertaken before the Aqueduct is impacted.

The expected life of this asset is 50 years.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

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

Project Name: **Branch Aqueduct Condition Assessment and Rehabilitation**

Department: Water and Waste
Project: 20030005yy

Capital Priority Rating: 5 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	500	1,000	-	1,000	3,000	3,000
Financed by:									
Retained Earnings			500	500	1,000		1,000	3,000	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	500	500	1,000	-	1,000	-	3,000
Financed by:								
Retained Earnings		500	500	1,000		1,000		3,000

NET OPERATING IMPACT	2012	2013	2014
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: **GWWD Railway Bridge Rehabilitation**

Department: Water and Waste
Project: 20060003yy

Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	300	1,000	400	-	-	-	1,400	1,700
Financed by:									
Retained Earnings		300	1,000	400				1,400	1,700

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	300	1,000	400	-	-	-	-	1,700
Financed by:								
Retained Earnings	300	1,000	400					1,700

NET OPERATING IMPACT	2012	2013	2014
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 the replacement of the timber bridge at Mile 77.6 (East Braintree) with a salvaged steel span or a new structure and abutment repairs for the timber bridges at Mile 21.8 (Cook's Creek) and Mile 41 (Brokenhead River).

The Greater Winnipeg Water District Railway (GWWD) line, which parallels the main aqueduct from Winnipeg to Shoal Lake, provides for maintenance of the aqueduct along its entire length and delivery of vital goods and services to Shoal Lake required to protect the quality and safety of the City's water supply.

The expected life of this asset is 50 years.



Project Name: **Water Treatment Plant Upgrading**

Department: Water and Waste
Project: 20025001yy

Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	140	-	900	-	10,000	-	10,900	11,040
Financed by:									
Retained Earnings		140		900		10,000		10,900	11,040

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	140	-	900	-	10,000	-	-	11,040
Financed by:								
Retained Earnings	140		900		10,000			11,040

NET OPERATING IMPACT	2012	2013	2014
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 chemical unloading facilities will be upgraded and converted to a controlled environment.

The expected life of this asset is 5 to 20 years.

Project Name: **Water Treatment Research and Process Optimization Facility**

Department: Water and Waste
Project: 20025006yy

Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	900	-	-	-	-	-	-	900
Financed by:									
Retained Earnings		900						-	900

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	900	-	-	-	-	-	-	900
Financed by:								
Retained Earnings	900							900

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	10	10	10
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(10)	(10)	(10)

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 licence 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.

Standardized corrosion control monitoring will be included in the facility. The monitoring stations will include water service pipes and harvested pipe sections from the distribution system. The facility will provide an opportunity to test alternative corrosion control strategies to minimize discoloured water in the distribution system.

The expected life of this asset is 25 years.

Project Name: **Ultraviolet Light Disinfection Upgrade / Rehabilitation**

Department: Water and Waste
Project: 20025004yy

Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	250	-	-	-	4,000	-	4,000	4,250
Financed by:									
Retained Earnings		250				4,000		4,000	4,250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	250	-	-	-	4,000	-	-	4,250
Financed by:								
Retained Earnings	250				4,000			4,250

NET OPERATING IMPACT	2012	2013	2014
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 ultraviolet light disinfection system will be reconfigured to dose based upon the new water treatment plant finished water quality. This will reduce the annual operating cost of the disinfection system.

The expected life of this asset is 5 to 20 years.

Project Name: **Deacon Reservoir Cell Rehabilitation Project**

Department: Water and Waste
Project: 20110001yy

Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,200	750	-	-	-	-	-	-	750
Financed by:									
Retained Earnings		750						-	750

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	750	-	-	-	-	-	-	750
Financed by:								
Retained Earnings	750							750

NET OPERATING IMPACT	2012	2013	2014
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 6 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 3 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 estimate 3, see Appendix # 2.

Project Name: **Deacon Site Flood Protection**

Department: Water and Waste
Project: 20025005yy

Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	560	-	-	-	560	560
Financed by:									
Retained Earnings				560				560	560

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	560	-	-	-	-	560
Financed by:								
Retained Earnings			560					560

NET OPERATING IMPACT	2012	2013	2014
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: **McPhillips Reservoir Slope Stabilization**

Department: Water and Waste
Project: 20110003yy

Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	120	-	-	-	-	120	120
Financed by:									
Retained Earnings			120					120	120

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	120	-	-	-	-	-	120
Financed by:								
Retained Earnings		120						120

NET OPERATING IMPACT	2012	2013	2014
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: **Tache Booster Pumping Station**

Department: Water and Waste
Project: 20050006yy

Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	3,000	1,800	-	-	-	4,800	5,300
Financed by:									
Retained Earnings		500	3,000	1,800				4,800	5,300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	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 surrounding 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: **Pumping Stations Reliability Upgrades**

Department: Water and Waste
Project: 20050003yy

Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,886	1,200	1,000	1,000	-	-	-	2,000	3,200
Financed by:									
Retained Earnings		1,200	1,000	1,000				2,000	3,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,200	1,000	1,000	-	-	-	-	3,200
Financed by:								
Retained Earnings	1,200	1,000	1,000					3,200

NET OPERATING IMPACT	2012	2013	2014
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. In order to identify the deficiencies in the system, a Water Pumping Station Power Reliability Study was completed. One of the recommendations of the study was to carry out Water Pumping Stations Electrical Inspections. The study and the inspections produced recommendations for a number of electrical and control improvements to reduce the effects of electrical power disruptions. The required improvements will be completed in phases according to priority.

The expected life of this asset is 20 years.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Pumping Stations Structural Upgrades**

Department: Water and Waste
Project: 20050012yy
Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Retained Earnings			500					500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Retained Earnings		500						500

NET OPERATING IMPACT	2012	2013	2014
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 2013 with future funding requirements to be identified in the report.

The expected life of these assets is 50 years.

Project Name: **Chlorination Upgrading at Pumping Stations**

Department: Water and Waste
Project: 20050011yy

Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,000	-	-	-	1,000	1,000
Financed by:									
Retained Earnings				1,000				1,000	1,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	1,000	-	-	-	-	1,000
Financed by:								
Retained Earnings			1,000					1,000

NET OPERATING IMPACT	2012	2013	2014
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 Quality Strategy Project has determined that chlorination at the existing pumping stations should continue in order to maintain a chlorine residual in the distribution system. The existing chlorination system is based upon a gas chlorine which is a hazardous chemical. To reduce the risk to the City, staff, public and the environment an engineering study will be undertaken to review the alternate forms of chlorination including aqua solutions and on-site generation. The Drinking Water Quality Strategy Project will provide future budget values for feeding a different form of chlorine at the pumping stations.

The funds in 2014 will be used for preliminary design, detailed design and contract administration of the recommended alternative.

Project Name: **Water Services Division Operations Accreditation**

Department: Water and Waste
Project: 20010005yy
Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Retained Earnings			500					500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Retained Earnings		500						500

NET OPERATING IMPACT	2012	2013	2014
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 Supervisory Control and Data Acquisition (SCADA) Upgrade**

Department: Water and Waste
Project: 20050002yy
Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,800	2,000	1,000	-	-	-	-	1,000	3,000
Financed by:									
Retained Earnings		2,000	1,000					1,000	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,000	1,000	-	-	-	-	-	3,000
Financed by:								
Retained Earnings	2,000	1,000						3,000

NET OPERATING IMPACT	2012	2013	2014
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 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: **Waterworks System Security Upgrades**

Department: Water and Waste
Project: 20010015yy

Capital Priority Rating: 5 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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:									
Retained Earnings		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	500	500	500	500	500	-	3,000
Financed by:								
Retained Earnings	500	500	500	500	500	500		3,000

NET OPERATING IMPACT	2012	2013	2014
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.

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

Project Name: **General Water Infrastructure Rehabilitation**

Department: Water and Waste
Project: 20010026yy
Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	500	500	1,000	1,000	3,000	3,000
Financed by:									
Retained Earnings				500	500	1,000	1,000	3,000	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	500	500	1,000	1,000	-	3,000
Financed by:								
Retained Earnings			500	500	1,000	1,000		3,000

NET OPERATING IMPACT	2012	2013	2014
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.

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

Project Name: **Regulatory Assessment of Water System Infrastructure and Supply Sources**

Department: Water and Waste
Project: 20010007yy
Capital Priority Rating: 5 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	750	-	-	-	650	-	-	650	650
Financed by:									
Retained Earnings					650			650	650

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	650	-	-	-	650
Financed by:								
Retained Earnings				650				650

NET OPERATING IMPACT	2012	2013	2014
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.

Project Name: **North End Water Pollution Control Centre (NEWPCC) - Environmental Services Laboratory Facility Upgrading**

Department: Water and Waste
Project: 20300022yy
Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	260	-	-	-	-	-	250	250	250
Financed by:									
Retained Earnings							250	250	250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	-	250	-	250
Financed by:								
Retained Earnings						250		250

NET OPERATING IMPACT	2012	2013	2014
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 NEWPCC. The ISO accreditation requires a constant room temperature to conduct tests that provide consistent and accurate results. The existing air handling unit providing heating and air conditioning to the Environmental Standards Laboratory is 16 years old. There have been problems with this system over the past several years.

The upgrade of the heating, ventilating and air conditioning (HVAC) sytem consists of replacing the existing air handling unit with a HVAC system that meets the appropriate needs of the laboratory and administration offices.

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.

Project Name: **Midtown Feedermain**

Department: Water and Waste
Project: 20040002yy

Capital Priority Rating: 5 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	800	5,000	-	-	-	-	-	-	5,000
Financed by:									
Retained Earnings		5,000						-	5,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	5,000	-	-	-	-	-	-	5,000
Financed by:								
Retained Earnings	5,000							5,000

NET OPERATING IMPACT	2012	2013	2014
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 Midtown Feedermain crosses the Assiniboine River on its own dedicated bridge structure and has been in service since 1956. Significant repairs were made to the feedermain pipe in 1993 and internal inspections of the pipe at that time revealed the presence of corrosion. A condition assessment of the feedermain pipe and its associated bridge structure to ascertain future rehabilitation or replacement requirements was undertaken in 2002. As a result of the condition assessment, rehabilitation/replacement works were scheduled for 2008. Detailed designs and accurate construction cost estimates have been completed, resulting in a final project cost of $4,800,000. This project was original approved in the 2008 and there is currently $2,449,000 that is uncommitted and will be cancelled.

The expected life of this rehabilitated asset is 50 years.

Project Name: **Saskatchewan Avenue Watermain**

Department: Water and Waste
Project: 20135001yy

Capital Priority Rating: 5 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	4,400	-	-	4,400	4,400
Financed by:									
Retained Earnings					4,400			4,400	4,400

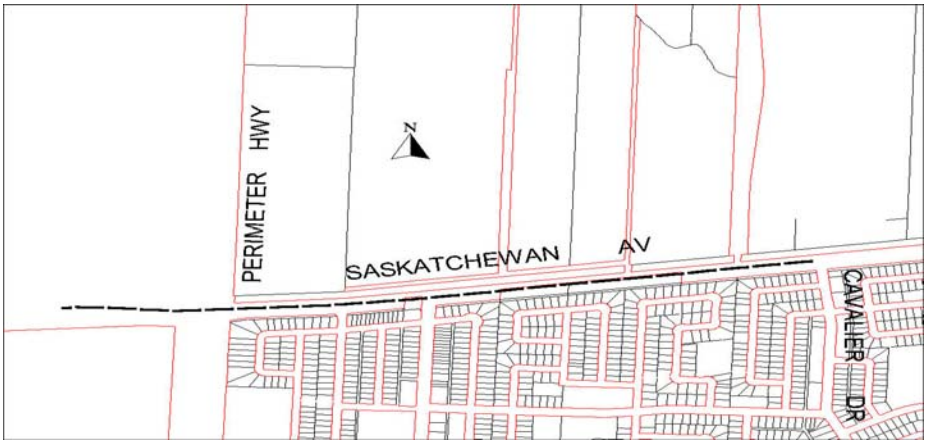
CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	4,400	-	-	-	4,400
Financed by:								
Retained Earnings				4,400				4,400

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*

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: **Waverley West Feedermain**

Department: Water and Waste
Project: 20040009yy

Capital Priority Rating: 5 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,500	-	6,800	-	-	-	-	6,800	6,800
Financed by:									
Retained Earnings			6,800					6,800	6,800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	6,800	-	-	-	-	-	6,800
Financed by:								
Retained Earnings		6,800						6,800

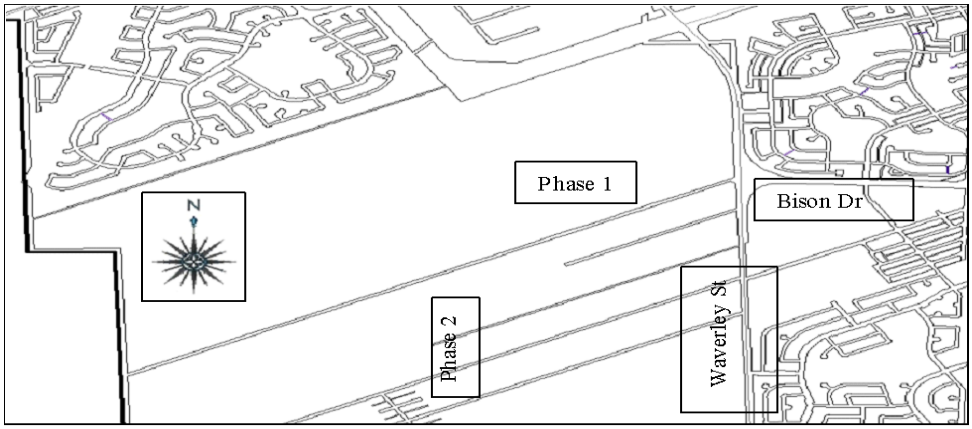
NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

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.

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



Project Name: **Feedermain Condition Assessment and Rehabilitation**

Department: Water and Waste
Project: 20040007yy

Capital Priority Rating: 5 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	1,000	1,000	1,000	1,000	4,500	5,000
Financed by:									
Retained Earnings		500	500	1,000	1,000	1,000	1,000	4,500	5,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	500	1,000	1,000	1,000	1,000	-	5,000
Financed by:								
Retained Earnings	500	500	1,000	1,000	1,000	1,000		5,000

NET OPERATING IMPACT	2012	2013	2014
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.

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

Project Name: **Public Water Outlets**

Department: Water and Waste
Project: 20010017yy

Capital Priority Rating: 3 - 3
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	400	600	-	-	-	1,000	1,000
Financed by:									
Retained Earnings			400	600				1,000	1,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	400	600	-	-	-	-	1,000
Financed by:								
Retained Earnings		400	600					1,000

NET OPERATING IMPACT	2012	2013	2014
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, reconstruction or decommissioning works. In some locations the replacement of existing structures 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: **Water Utility Asset Management Strategy**

Department: Water and Waste
Project: 20010006yy

Capital Priority Rating: 5 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	240	200	-	-	-	-	-	-	200
Financed by:									
Retained Earnings		200						-	200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	200	-	-	-	-	-	-	200
Financed by:								
Retained Earnings	200							200

NET OPERATING IMPACT	2012	2013	2014
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 and Waste Department GIS Enhancement Program**

Department: Water and Waste
Project: 20100003yy

Capital Priority Rating: 5 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	100	100	100	100	100	500	500
Financed by:									
Retained Earnings			100	100	100	100	100	500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	100	100	100	100	100	-	500
Financed by:								
Retained Earnings		100	100	100	100	100		500

NET OPERATING IMPACT	2012	2013	2014
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 purpose of this program is to react to ever changing technologies and operational needs and make what ever changes are required to improve the Department's Geographic Information System (GIS) data quality, maintenance processes, and value to the data stakeholders.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Hydrant and Valve Operations Management Systems**

Department: Water and Waste
Project: 20100007yy

Capital Priority Rating: 5 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	180	270	-	-	-	-	270	450
Financed by:									
Retained Earnings		180	270					270	450

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	180	270	-	-	-	-	-	450
Financed by:								
Retained Earnings	180	270						450

NET OPERATING IMPACT	2012	2013	2014
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 Geographic Information System (GIS)/Synergen interface will be developed to manage the hydrant inventory and maintenance and water supply and distribution valve positions within the GIS application. This system will use asset management 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 and allow map tracing to identify watermains effected by change in the system.

The expected life of this asset is 7 years.

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

Project Name: **Water Supply Valve Installation / Replacement Program**

Department: Water and Waste
Project: 201400xxyy

Capital Priority Rating: 5 - 4
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	750	750	-	-	500	500	1,750	2,500
Financed by:									
Retained Earnings		750	750			500	500	1,750	2,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	750	750	-	-	500	500	-	2,500
Financed by:								
Retained Earnings	750	750			500	500		2,500

NET OPERATING IMPACT	2012	2013	2014
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.

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

Project Name: **Meter Infrastructure Project**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 1

Project: 20010025yy

Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	355	3,720	-	-	-	-	-	-	3,720
Financed by:									
Retained Earnings		3,720							3,720

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	3,720	-	-	-	-	-	-	3,720
Financed by:								
Retained Earnings	3,720							3,720

NET OPERATING IMPACT	2012	2013	2014
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 is for piloting an Advanced Metering Infrastructure (AMI) solution for the Water and Waste Department. AMI is a water metering solution providing daily meter data wirelessly via a communication network. Requirements for the pilot project include: replacing a sample size of water meters with radio frequency transmitter equipped water meters, installing Data Collection Unit(s) (DCUs) to collect daily meter data from the water meters, installing the required access points (Communication Network) to communicate data to and from the Utility / water meter, and software requirements. The pilot is planned for a 12-month period (meters in service) followed by an assessment to confirm pilot objectives. Approval for full AMI implementation will be requested upon demonstrated pilot success. The pilot will occur mid 2012 - 2013 with a review to be completed by the 4th Quarter 2013.

Advanced metering solutions have an effective service life estimated at 14 - 18 years dependent on the selected solution.

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

Project Name: **Watermain Renewals**

Department: Water and Waste
Project: 20130001yy

Capital Priority Rating: 5 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	14,400	15,000	16,000	17,000	17,000	17,500	82,500	96,900
Financed by:									
Watermain Renewal Reserve		14,400	15,000	16,000	17,000	17,000	17,500	82,500	96,900

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	14,400	15,000	16,000	17,000	17,000	17,500	-	96,900
Financed by:								
Watermain Renewal Reserve	14,400	15,000	16,000	17,000	17,000	17,500		96,900

NET OPERATING IMPACT	2012	2013	2014
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, water system studies, assessments, replacement of problem water services within the City right-of-way 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: **Wastewater System Security Upgrades**

Department: Water and Waste
Project: 20300015yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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:									
Retained Earnings		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	500	500	500	500	500	-	3,000
Financed by:								
Retained Earnings	500	500	500	500	500	500		3,000

NET OPERATING IMPACT	2012	2013	2014
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 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, design and implementation phases.

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

Project Name: **North End Water Pollution Control Centre (NEWPCC) - Centrifuge Replacement**

Department: Water and Waste
Project: 20310024yy
Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	3,000	3,000	3,000	-	-	-	6,000	9,000
Financed by:									
Retained Earnings		3,000	3,000	3,000				6,000	9,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	3,000	3,000	3,000	-	-	-	-	9,000
Financed by:								
Retained Earnings	3,000	3,000	3,000					9,000

NET OPERATING IMPACT	2012	2013	2014
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.

The life expectancy of this asset is 15 years.

Project Name: **NEWPCC - Digester Rehabilitation Project**

Department: Water and Waste
Project: 20310025yy
Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,000	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
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: **NEWPCC - Grit Handling Upgrades**

Department: Water and Waste
Project: 20310002yy

Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	-	6,300	6,600	5,000	-	17,900	18,900
Financed by:									
Retained Earnings		1,000		6,300	6,600	5,000		17,900	18,900

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,000	-	6,300	6,600	5,000	-	-	18,900
Financed by:								
Retained Earnings	1,000		6,300	6,600	5,000			18,900

NET OPERATING IMPACT	2012	2013	2014
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: **NEWPCC - Holding Tanks Restoration**

Department: Water and Waste
Project: 20310020yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,650	-	2,550	-	-	-	-	2,550	2,550
Financed by:									
Retained Earnings			2,550					2,550	2,550

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	2,550	-	-	-	-	-	2,550
Financed by:								
Retained Earnings		2,550						2,550

NET OPERATING IMPACT	2012	2013	2014
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: **NEWPCC - New Discharge Chamber**

Department: Water and Waste
Project: 20310021yy
Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	-	5,000	10,000	-	-	15,000	15,500
Financed by:									
Retained Earnings		500		5,000	10,000			15,000	15,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	-	5,000	10,000	-	-	-	15,500
Financed by:								
Retained Earnings	500		5,000	10,000				15,500

NET OPERATING IMPACT	2012	2013	2014
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 2012 is 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 2014 and 2015 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.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

Project Name: **NEWPCC - New Surgewell**

Department: Water and Waste
Project: 20310009yy

Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	4,000	9,000	-	-	-	13,000	14,000
Financed by:									
Retained Earnings		1,000	4,000	9,000				13,000	14,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,000	4,000	9,000	-	-	-	-	14,000
Financed by:								
Retained Earnings	1,000	4,000	9,000					14,000

NET OPERATING IMPACT	2012	2013	2014
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.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

Project Name: **NEWPCC - Primary Clarifier Covers**

Department: Water and Waste
Project: 20310008yy

Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	500	-	25,000	-	-	25,500	25,500
Financed by:									
Retained Earnings			500		25,000			25,500	25,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	500	-	25,000	-	-	-	25,500
Financed by:								
Retained Earnings		500		25,000				25,500

NET OPERATING IMPACT	2012	2013	2014
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: **NEWPCC - Raw Sewage Pump Replacement**

Department: Water and Waste
Project: 20310010yy

Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	11,600	-	1,000	9,300	-	-	-	10,300	10,300
Financed by:									
Retained Earnings			1,000	9,300				10,300	10,300

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	1,000	9,300	-	-	-	-	10,300
Financed by:								
Cash to Capital		1,000	9,300					10,300

NET OPERATING IMPACT	2012	2013	2014
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 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 expected 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: **NEWPCC - Secondary Clarifiers Refurbishment**

Department: Water and Waste
Project: 20310003yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	500	500	500	-	-	-	1,000	1,500
Financed by:									
Retained Earnings		500	500	500				1,000	1,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	500	500	-	-	-	-	1,500
Financed by:								
Retained Earnings	500	500	500					1,500

NET OPERATING IMPACT	2012	2013	2014
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. The work of this project will require an engineering assessment to establish the work program followed by a three year repair program.

The expected life of this asset is 50 years.

Project Name: **NEWPCC - Upgrading External Power Supply**

Department: Water and Waste
Project: 20310023yy
Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	-	5,000	4,000	-	15,000	-	24,000	24,000
Financed by:									
Retained Earnings			5,000	4,000		15,000		24,000	24,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	5,000	4,000	-	15,000	-	-	24,000
Financed by:								
Retained Earnings		5,000	4,000		15,000			24,000

NET OPERATING IMPACT	2012	2013	2014
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 interruptions. Funding has been added to 2016 for this installation.

The life expectancy of this asset is 50 years.

Project Name: **NEWPCC - Environmental Services Laboratory Facility Upgrading**

Department: Water and Waste
Project: 20300022yy
Capital Priority Rating: 3 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	260	-	-	-	-	-	250	250	250
Financed by:									
Retained Earnings							250	250	250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	-	250	-	250
Financed by:								
Retained Earnings						250		250

NET OPERATING IMPACT	2012	2013	2014
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 NEWPCC. The ISO accreditation requires a constant room temperature to conduct tests that provide consistent and accurate results. The existing air handling unit providing heating and air conditioning to the Environmental Standards Laboratory is 16 years old. There have been problems with this system over the past several years.

The upgrade of the heating, ventilating and air conditioning (HVAC) system consists of replacing the existing air handling unit with a HVAC system that meets the appropriate needs of the laboratory and administration offices.

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.

Project Name: **Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) upgrades**

Department: Water and Waste
Project: 20400006yy
Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,000	1,000	1,000	-	-	-	-	1,000	2,000
Financed by:									
Retained Earnings		1,000	1,000					1,000	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	1,000	1,000	-	-	-	-	-	2,000
Financed by:								
Retained Earnings	1,000	1,000						2,000

NET OPERATING IMPACT	2012	2013	2014
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 WPCC utilize an ABB Infi90 DCS with an ABB Process Control View (PCV) HMI. It is an intricate network of specialized computers that monitors 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.

An upgrade to the latest version of the PCV, which is nearing obsolescence, is underway to allow the purchase of some new hardware to extend the life of the existing DCS HMI system as an interim solution.

The purpose of this project is to replace the WPCCs' DCS HMI systems to ensure long term operational reliability.

The expected life of this asset is 15 years.

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

Project Name: **WPCC - Flood Mitigation**

Department: Water and Waste
Project: 20300017yy

Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	150	200	-	-	-	-	200	350
Financed by:									
Retained Earnings		150	200					200	350

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	150	200	-	-	-	-	-	350
Financed by:								
Retained Earnings	150	200						350

NET OPERATING IMPACT	2012	2013	2014
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*

Hydraulic studies undertaken in 2011 for WPCC spring flood protection identified plant capacity limitations and the need for temporary flood protection measures when subjected to elevated river levels during spring runoff.

The project will identify and initiate more effective permanent flood mitigation solutions at the WPCC's.

The expected life of this asset is 25 years.

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

Project Name: **WPCC - Hauled Liquid Waste Acceptance Facility**

Department: Water and Waste
Project: 20340009yy

Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	10,800	-	3,000	-	-	-	-	3,000	3,000
Financed by:									
Retained Earnings			3,000					3,000	3,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	3,000	-	-	-	-	-	3,000
Financed by:								
Retained Earnings		3,000						3,000

NET OPERATING IMPACT	2012	2013	2014
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 WPCC (Water Pollution Control Centres) - Hauled Liquid Waste Acceptance Facility. 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 of the South End Water Pollution Control Centre Hauled Liquid Waste Facility is anticipated to start in 2011 with construction to begin in 2012.

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: **WPCC - Reliability Upgrades**

Department: Water and Waste
Project: 20300005yy

Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	17,358	2,000	5,000	5,000	5,000	5,000	5,000	25,000	27,000
Financed by:									
Retained Earnings		2,000	5,000	5,000	5,000	5,000	5,000	25,000	27,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,000	5,000	5,000	5,000	5,000	5,000	-	27,000
Financed by:								
Retained Earnings	2,000	5,000	5,000	5,000	5,000	5,000		27,000

NET OPERATING IMPACT	2012	2013	2014
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 outlined 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.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

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: **WPCC - Re-roofing**

Department: Water and Waste
Project: 20300010yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	400	-	400	-	400	1,200	1,200
Financed by:									
Retained Earnings			400		400		400	1,200	1,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	400	-	400	-	400	-	1,200
Financed by:								
Retained Earnings		400		400		400		1,200

NET OPERATING IMPACT	2012	2013	2014
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 WPCC 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: **Environmental Impact Statement and Public Hearings**

Department: Water and Waste
Project: 20340003yy
Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	100	100	100	100	100	500	700
Financed by:									
Environmental Projects Reserve		200	100	100	100	100	100	500	700

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	200	100	100	100	100	100	-	700
Financed by:								
Environmental Projects Reserve	200	100	100	100	100	100		700

NET OPERATING IMPACT	2012	2013	2014
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 (CEC) regulatory hearings, 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.

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

Project Name: **Biosolids - Alternative Disposal Delivery and Management System**

Department: Water and Waste
Project: 20310004yy

Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	9,644	5,000	50,000	50,000	42,000	-	-	142,000	147,000
Financed by:									
Environmental Projects Reserve		5,000	3,459	5,020	9,172			17,651	22,651
External Debt			46,541	44,980	32,828			124,349	124,349

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	5,000	50,000	50,000	42,000	-	-	-	147,000
Financed by:								
Environmental Projects Reserve	5,000	3,459	5,020	9,172				22,651
External Debt		46,541	44,980	32,828				124,349

NET OPERATING IMPACT	2012	2013	2014
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 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 facility is 50 years and the expected life of the mechanical components is 25 years.

Project Name: **NEWPCC - Nutrient Removal**

Department: Water and Waste
Project: 20310013yy

Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	21,214	-	155,000	155,000	69,286	-	-	379,286	379,286
Financed by:									
Environmental Projects Reserve			5,000	5,000	4,286			14,286	14,286
External Debt			150,000	150,000	65,000			365,000	365,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	155,000	155,000	69,286	-	-	-	379,286
Financed by:								
Environmental Projects Reserve		5,000	5,000	4,286				14,286
External Debt		150,000	150,000	65,000				365,000

NET OPERATING IMPACT	2012	2013	2014
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. 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. Funding in 2013, 2014 and 2015 includes re-budgeted amounts from previously approved Capital Budgets.

Project Name: **Arc Flash Hazard Analysis and Remediation**

Department: Water and Waste
Project: 20300018yy
Capital Priority Rating: 5 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	850	750	-	-	-	-	-	-	750
Financed by:									
Retained Earnings		750						-	750

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	750	-	-	-	-	-	-	750
Financed by:								
Retained Earnings	750							750

NET OPERATING IMPACT	2012	2013	2014
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 the Canadian Standards Association Occupational Health and Safety program a new standard entitled Electrical Safety for Industry (CSA Z462) will be adopted within the new Canadian Electrical code. This is a program to conduct an arc flash study utilizing the SKM software analysis system for the Land Drainage, Stormwater and Sanitary Pumping Stations including the North End Water Pollution Control Centre, South End Water Pollution Control Centre, and West End Water Pollution Control Centre. The intent of the study is to determine the potential arc flash energy at various distribution points and provide recommendations to reduce arc flash energies, upgrade equipment to lower fault energies, and to provide procurement of personal protective equipment and training. This is in preparation for compliance of the inclusion of arc flash requirements in the Electrical Code.

The expected life of asset is 50 years.

Funding in 2012 includes re-budgeted amounts from previously approved Capital Budgets.

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

Project Name: **Lift Stations Upgrading**

Department: Water and Waste
Project: 20350001yy
Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,000	1,500	1,500	1,000	1,000	1,000	6,000	8,000
Financed by:									
Retained Earnings		2,000	1,500	1,500	1,000	1,000	1,000	6,000	8,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,000	1,500	1,500	1,000	1,000	1,000	-	8,000
Financed by:								
Retained Earnings	2,000	1,500	1,500	1,000	1,000	1,000		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 is part of a continuing program for mitigating hydraulic, structural, safety, odour, aesthetic problems, and capacity assessments as required for the 73 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: **Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development**

Department: Water and Waste
Project: 20350005yy
Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	2,000	-	-	-	-	2,000	2,000
Financed by:									
Retained Earnings			2,000					2,000	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	2,000	-	-	-	-	-	2,000
Financed by:								
Retained Earnings		2,000						2,000

NET OPERATING IMPACT	2012	2013	2014
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 it's 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: **Fernbank Interceptor**

Department: Water and Waste
Project: 20370011yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	8,000	-	-	8,000
Financed by:								
Retained Earnings					8,000			8,000

NET OPERATING IMPACT	2012	2013	2014
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: **Waverley West Interceptor Sewer**

Department: Water and Waste
Project: 20370009yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	9,080	700	-	-	-	-	-	-	700
Financed by:									
Retained Earnings		700						-	700

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	700	-	-	-	-	-	-	700
Financed by:								
Retained Earnings	700							700

NET OPERATING IMPACT	2012	2013	2014
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 interceptor sewer extensions will provide regional servicing for projected development within the area bounded by Bishop Grandin Boulevard on the north, the Perimeter Highway on the south, Waverley Street on the east, and the City Limits on the west.

Funds budgeted in 2012 will supplement remaining project funds to complete the next phase of the interceptor system that is needed for the ongoing Waverley West development.

The funds are for engineering design and construction of three interceptor extensions to service the Waverley West area, including:

Kenaston, north from Cadboro Road to North Town Road,

Waverley, east from Kenaston Boulevard to Tim Sale Drive,

Waverley, south from Lee Boulevard to Sandusky Drive.

The expected life of this asset is over 50 years.

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

Project Name: **Warde Interceptor Extension**

Department: Water and Waste
Project: 20370005yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	3,200	-	-	3,200
Financed by:								
Retained Earnings					3,200			3,200

NET OPERATING IMPACT	2012	2013	2014
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: **River Crossings Monitoring and Rehabilitation**

Department: Water and Waste
Project: 203750xyy

Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	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	2012	2013	2014	2015	2016	2017	Beyond 2017	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	2012	2013	2014
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: **Sewer System Isolation in Areas Protected by Secondary Dikes**

Department: Water and Waste
Project: 20300002yy
Capital Priority Rating: 3 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	-	-	1,000	1,000	-	2,000	2,000
Financed by:									
Retained Earnings					1,000	1,000		2,000	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	1,000	1,000	-	-	2,000
Financed by:								
Retained Earnings				1,000	1,000			2,000

NET OPERATING IMPACT	2012	2013	2014
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 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: **Wastewater Collection System Asset Management Strategy**

Department: Water and Waste
Project: 20300006yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	350	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2012	2013	2014
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 work will completed as part of the City of Winnipeg Corporate Asset Management Initiative.

Project Name: **Wastewater Collection System Buildings Re-Roofing**

Department: Water and Waste
Project: 20305010yy

Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	300	-	-	300	-	-	300	600
Financed by:									
Retained Earnings		300			300			300	600

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	300	-	-	300	-	-	-	600
Financed by:								
Retained Earnings	300			300				600

NET OPERATING IMPACT	2012	2013	2014
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 wastewater collection system buildings require re-roofing because their 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.

Project Name: **Wastewater Collection System Reliability**

Department: Water and Waste
Project: 2030xxxxyy

Capital Priority Rating: 5 - 4
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	400	-	-	400	-	-	400	800
Financed by:									
Retained Earnings		400			400			400	800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	400	-	-	400	-	-	-	800
Financed by:								
Retained Earnings	400			400				800

NET OPERATING IMPACT	2012	2013	2014
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 program addresses the wastewater collection system requirement to improve the reliability of the system in the case of naturally occurring events, such as floods and storms, or major equipment failure. An example of a major expense required from this budget is the purchase of a mobile generator large enough to power significant temporary pumping, a collection system lift station, or other work place electrical needs.

The expected life of this asset is 20 years.

Project Name: **Water and Waste Department GIS Enhancement Program**

Department: Water and Waste
Project: 20100003yy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	100	100	100	100	100	500	500
Financed by:									
Retained Earnings			100	100	100	100	100	500	500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	100	100	100	100	100	-	500
Financed by:								
Retained Earnings		100	100	100	100	100		500

NET OPERATING IMPACT	2012	2013	2014
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 purpose of this program is to react to ever changing technologies and operational needs and make what ever changes are required to improve the Department's Geographic Information System (GIS) data quality, maintenance processes, and value to the data stakeholders.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Inflow / Infiltration / Cross-Connection Study and Mitigation**

Department: Water and Waste
Project: 20410001yy
Capital Priority Rating: 3 - 3
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,793	-	500	500	3,000	-	1,500	5,500	5,500
Financed by:									
Retained Earnings			500	500	3,000		1,500	5,500	5,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	500	500	3,000	-	1,500	-	5,500
Financed by:								
Retained Earnings		500	500	3,000		1,500		5,500

NET OPERATING IMPACT	2012	2013	2014
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 (IandI) entering the wastewater sewer system, and implementing mitigative measures to reduce the IandI 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 IandI 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 IandI 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: **Combined Sewer Overflow (CSO) Management Strategy and Miscellaneous Mitigation**

Department: Water and Waste
Project: 20380001yy
Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	16,200	17,200	16,200	16,200	17,200	17,200	84,000	100,200
Financed by:									
Environmental Projects Reserve		16,200	17,200	16,200	16,200	17,200	17,200	84,000	100,200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	16,200	17,200	16,200	16,200	17,200	17,200	-	100,200
Financed by:								
Environmental Projects Reserve	16,200	17,200	16,200	16,200	17,200	17,200		100,200

NET OPERATING IMPACT	2012	2013	2014
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.

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

Project Name: **Sewer Renewals**

Department: Water and Waste
Project: 203900xxyy

Capital Priority Rating: 5 - 2
Service: Wastewater

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	13,900	14,600	15,300	16,100	16,900	17,800	80,700	94,600
Financed by:									
Sewer System Rehabilitation Reserve		13,900	14,600	15,300	16,100	16,900	17,800	80,700	94,600

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	13,900	14,600	15,300	16,100	16,900	17,800	-	94,600
Financed by:								
Sewer System Rehabilitation Reserve	13,900	14,600	15,300	16,100	16,900	17,800		94,600

NET OPERATING IMPACT	2012	2013	2014
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.

Funds will also be utilized for the assessment, repair and/or replacement, under certain conditions, of a private wastewater sewer service within the public right-of-way under Section 37 of the Sewer By-Law.

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

Project Name: **Brady Landfill - Cell Excavation**

Department: Water and Waste
Project: 20620004yy

Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	1,300	1,330	1,370	1,400	1,400	6,800	6,800
Financed by:									
Retained Earnings			1,300	1,330	1,370	1,400	1,400	6,800	6,800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	1,300	1,330	1,370	1,400	1,400	-	6,800
Financed by:								
Retained Earnings		1,300	1,330	1,370	1,400	1,400		6,800

NET OPERATING IMPACT	2012	2013	2014
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 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: **Summit Landfill Closure / Post-Closure**

Department: Water and Waste
Project: 20630001yy

Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,526	400	400	-	-	-	-	400	800
Financed by:									
Retained Earnings		400	400					400	800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	400	400	-	-	-	-	-	800
Financed by:								
Retained Earnings	400	400						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*

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 asset is 50 years.

Project Name: **Summit Landfill Leachate Collection Assessment**

Department: Water and Waste
Project: 20630002yy

Capital Priority Rating: 3 - 3
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2012	2013	2014
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 2013 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: **Miscellaneous Land Acquisition**

Department: Water and Waste
Project: 20610001yy

Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	-	200	-	-	-	200	700
Financed by:									
Retained Earnings		500		200				200	700

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	500	-	200	-	-	-	-	700
Financed by:								
Retained Earnings	500		200					700

NET OPERATING IMPACT	2012	2013	2014
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.

Recent developments have shown that there is a benefit to acquiring lands in proximity to the former Summit Road Landfill site to provide additional buffer zones to minimize any impacts on adjacent private lands. The lands in this buffer zone would also be beneficial for long term monitoring, control, use, and drainage works.

This item is re-budgeted from 2009 Capital Budget.

Project Name: **Closed Landfills Disposition Study**

Department: Water and Waste
Project: 20600003yy

Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2012	2013	2014
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: **CIWMS - Consulting Support for System Transition**

Department: Water and Waste
Project: 20650008yy
Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013 **	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	400	200	200	-	-	-	400	800
Financed by:									
External Debt		400	200	200				400	800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	400	200	200	-	-	-	-	800
Financed by:								
External Debt	400	200	200					800

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	12	42	60
SURPLUS/(DEFICIT)	(12)	(42)	(60)

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

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan). This project is to provide consultant services to support implementation of this plan, including the following projects/activities:

- Modifications to the Customer Care and Billing System.
- Detail the site utilization plan for the Brady Landfill lands.
- Prepare a geometric design/filling plan for landfill operations including preliminary design for landfill cells and considerations for leachate and landfill gas collection.
- Preparation of an independent report on landfill operations and environmental monitoring, for submission to Manitoba Conservation.
- Optimization of the refuse/recycling collection system including a review of day cycle boundaries and collection sequencing.
- Planning for long term system expansion needs including any additional Community Resource Recovery Centres.

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

Project Name: **Brady Landfill - Drainage, Roadways and Site Improvements**

Department: Water and Waste
Project: 2062000612
Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	2,500	-	-	-	-	-	-	2,500
Financed by:									
External Debt		2,500							2,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,500	-	-	-	-	-	-	2,500
Financed by:								
External Debt	2,500							2,500

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	75	230	230
SURPLUS/(DEFICIT)	(75)	(230)	(230)

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

An extensive review of the Brady Road Landfill site has been carried out as part of preparations for submitting an application for an Environment Act Licence for operation of the Brady Road Landfill site by the end of 2011.

This review has indicated the need for significant drainage, roadway and other site improvements such as litter control. In keeping with best practices for landfill operations, runoff from landfilled areas will be directed to storage and tested for acceptability for release. A wetlands treatment system will also be considered. Drainage from non-landfilled areas will be by direct connection to external drainage.

The main internal roadway is Charrette Road which has been in operation since the inception of this landfill in 1973. This roadway requires significant upgrading to withstand continued use. There is also a need to construct new internal roadways to enable redirection of trucks conveying clean fill and other bulk usable materials to stockpiling areas.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

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

Project Name: **CIWMS - Brady Landfill - Industrial, Commercial, Institutional, (ICI) and Construction and Demolition (C & D) Diversion**

Department: Water and Waste
Project: 20650013yy
Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	4,500	-	4,500	4,500
Financed by:									
External Debt						4,500		4,500	4,500

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	4,500	-	-	4,500
Financed by:								
External Debt					4,500			4,500

NET OPERATING IMPACT	2012	2013	2014
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*

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan). This project is part of that plan and consists of construction of facilities at the Brady Road Landfill to divert ICI and C & D recyclable materials. Consultation with business and a business plan would precede facility plan development.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

Project Name: **CIWMS - Community Resource Recovery Facilities (South and North)**

Department: Water and Waste
Project: 20650010yy

Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013 **	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	2,700	3,400	-	-	-	6,100	6,100
Financed by:									
External Debt			2,700	3,400				6,100	6,100

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	2,700	3,400	-	-	-	-	6,100
Financed by:								
External Debt		2,700	3,400					6,100

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		183	560
SURPLUS/(DEFICIT)	-	(183)	(560)

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

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan). This project is part of that plan and consists of two facilities, one in south Winnipeg (at the Brady Road Landfill site) and one at a site in north Winnipeg (location to be determined).

These facilities will provide a drop-off location for small loads of recyclable materials delivered by residents for processing and/or transfer to markets and/or further processing facilities. These facilities will include opportunities for non-profit recyclers and product stewards to partner with the City for material diversion. These facilities will also include the capability to transfer residue from the operations for burial at the Brady Landfill. Each facility would consist of an all-weather traffic surface, bins, a truck to transfer materials and a scale and scale house.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

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

Project Name: **CIWMS - Community Resource Recovery Facilities (West and East)**

Department: Water and Waste
Project: 20650011yy

Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	3,400	3,400	6,800	6,800
Financed by:									
External Debt						3,400	3,400	6,800	6,800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	-	-	3,400	3,400	-	6,800
Financed by:								
External Debt					3,400	3,400		6,800

NET OPERATING IMPACT	2012	2013	2014
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*

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan). This project is part of that plan and consists of two facilities, one in west Winnipeg and one at a site in east Winnipeg (locations to be determined).

These facilities will provide a drop-off location for small loads of recyclable materials delivered by residents for processing and/or transfer to markets and/or further processing facilities. These facilities will include opportunities for non-profit recyclers and product stewards to partner with the City for material diversion. These facilities will also include the capability to transfer residue from the operations for burial at the Brady Landfill. Each facility would consist of an all-weather traffic surface, bins, a truck to transfer materials and a scale and scale house.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

Project Name: **CIWMS - Material Recycling Facility**

Department: Water and Waste
Project: 20650012yy

Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	20,000	-	-	-	20,000	20,000
Financed by:									
External Debt				20,000				20,000	20,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	20,000	-	-	-	-	20,000
Financed by:								
External Debt			20,000					20,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			600
SURPLUS/(DEFICIT)	-	-	(600)

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

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan).

This project is to provide a materials recycling facility at the Brady Road Landfill site or other suitably industrially zoned property within Winnipeg, to properly process all residential recyclables and potentially some commercial materials (such as cardboard). The facility would consist of an all-weather building and yards with sorting and baling equipment and administrative office.

Costs include preliminary design/detail design, construction, land acquisition (if required), engineering, contingency and capital overheads.

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

Back to Capital Projects Summary

Project Name: **CIWMS - Organics (Yard Waste) Composting Facility**

Department: Water and Waste
Project: 2065000612
Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	2,000	-	-	-	-	-	-	2,000
Financed by:									
External Debt		2,000						-	2,000

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	2,000	-	-	-	-	-	-	2,000
Financed by:								
External Debt	2,000							2,000

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	60	184	184
SURPLUS/(DEFICIT)	(60)	(184)	(184)

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

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan). This project is part of that plan and consists of construction of a facility at the Brady Road Landfill to compost organic material from a residential source separated yard waste collection program. Each facility would consist of an all-weather traffic surface, a run-off retention basin and equipment necessary to carry-out composting operations.

Costs include preliminary design/detailed design, construction, engineering, contingency and capital overheads.

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

Project Name: **CIWMS - Source Separated Organics**

Department: Water and Waste
Project: 20650009yy

Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate	FORECAST 2013	2014 **	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	400	65,000	11,400	-	76,800	76,800
Financed by:									
External Debt				400	65,000	11,400		76,800	76,800

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	-	-	400	65,000	11,400	-	-	76,800
Financed by:								
External Debt			400	65,000	11,400			76,800

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			12
SURPLUS/(DEFICIT)	-	-	(12)

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

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan).

This project is to provide a composting facility at the Brady Road landfill to process organic kitchen waste (source separated organics or SSO) collected from residential premises that could range from; an aerobic system the components of which would include: a material receipt area, a composting area, a finishing/storage area, drainage storage/control, as well as equipment for mixing, turning and screening the organics, to an anaerobic system, the components of which could include a material receipt area, an enclosed digester vessel/structure and a finishing/storage area. This project also includes the provision of automated organics (kitchen waste) collection carts to 187,000 households (entire single family households). The life of the carts is 20 years. The findings from a pilot collection program in 2015 will help in determining the best means of processing this material.

Costs include preliminary design/detail design, construction, engineering, contingency and capital overheads.

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

Project Name: **CIWMS - Provision of Automated Recycling Collection Carts**

Department: Water and Waste
Project: 20650007yy

Capital Priority Rating: 3 - 4
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	9,350	-	-	-	-	-	-	9,350
Financed by:									
External Debt		9,350						-	9,350

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	9,350	-	-	-	-	-	-	9,350
Financed by:								
External Debt	9,350							9,350

NET OPERATING IMPACT	2012	2013	2014
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	281	859	859
SURPLUS/(DEFICIT)	(281)	(859)	(859)

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

On October 19, 2011, Council approved the Comprehensive Integrated Waste Management Strategy CIWMS (Garbage and Recycling Master Plan). This project is part of that plan and consists of supplying automated recycling collection carts to 187,000 households. Funding support in the order of 80% is anticipated from Multi-Material Stewardship Manitoba.

The life of the carts is 20 years.

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

Project Name: **Garbage and Recycling Cart Asset Management**

Department: Water and Waste
Project: 20640002yy

Capital Priority Rating: 3 - 2
Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2012 Estimate **	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	250	-	-	-	-	-	-	250
Financed by:									
Retained Earnings		250						-	250

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	250	-	-	-	-	-	-	250
Financed by:								
Retained Earnings	250							250

NET OPERATING IMPACT	2012	2013	2014
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 Solid Waste Services. 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 garbage and recycling carts. 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.

** 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	2012 Estimate	FORECAST 2013	2014	2015	2016	2017	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	565	150	-	-	-	-	-	-	150
Financed by:									
Cash to Capital	92	(23)	(23)	(23)	(23)			(69)	(92)
Golf Course Reserve	473	173	23	23	23			69	242

CASH FLOW	2012	2013	2014	2015	2016	2017	Beyond 2017	Total
Project Costs ($000's)	150	-	-	-	-	-	-	150
Financed by:								
Cash to Capital	(23)	(23)	(23)	(23)				(92)
Golf Course Reserve	173	23	23	23				242

NET OPERATING IMPACT	2012	2013	2014
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.

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The City of Winnipeg

SERVICE BASED VIEW

2012
Preliminary Capital Budget

and

2013 to 2017
Five Year Forecast

November 22, 2011

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CAPITAL PROJECTS SUMMARY	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**BUDGET**	**FORECAST**					**2012-2017**
(in Thousands of $)	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**TOTAL**
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS							
Roadway Construction and Maintenance	**141,827**	**51,632**	**65,384**	**54,499**	**64,077**	**64,235**	**441,654**
Transportation Planning and Traffic Management	**5,200**	**2,950**	**1,550**	**1,550**	**1,550**	**3,550**	**16,350**
Roadway Snow Removal and Ice Control	**2,500**						**2,500**
City Beautification	**1,583**	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**8,083**
Land Drainage and Flood Control	**10,840**	**17,000**	**15,248**	**17,475**	**16,008**	**17,000**	**93,571**
Parks and Urban Forestry	**6,194**	**6,301**	**6,466**	**6,107**	**8,556**	**6,373**	**39,997**
Public Transit	**24,459**	**26,197**	**29,952**	**23,932**	**28,021**	**29,185**	**161,746**
Water	**35,190**	**36,240**	**30,860**	**25,650**	**34,600**	**22,350**	**184,890**
Wastewater	**51,400**	**270,150**	**283,600**	**199,286**	**74,300**	**45,150**	**923,886**
Solid Waste Collection and Disposal	**22,650**	**5,000**	**25,530**	**66,370**	**20,700**	**4,800**	**145,050**
Total Infrastructure Renewal and Public Works	**301,843**	**416,770**	**459,890**	**396,169**	**249,112**	**193,943**	**2,017,727**
PROTECTION AND COMMUNITY SERVICES							
Police Response	**8,722**	**9,884**	**4,643**	**6,186**	**9,000**	**4,900**	**43,335**
Fire and Rescue Response		**5,000**	**858**	**5,000**	**4,000**	**4,000**	**18,858**
Recreation	**9,056**	**7,620**	**6,100**	**9,050**	**10,070**	**8,232**	**50,128**
Golf Services (SOA)	**150**						**150**
Libraries	**900**	**7,150**	**2,400**	**900**	**1,400**	**1,781**	**14,531**
Arts, Entertainment and Culture	**9,623**	**9,623**	**9,623**	**9,623**	**9,623**	**9,623**	**57,738**
Insect Control				**1,250**			**1,250**
Total Protection and Community Services	**28,451**	**39,277**	**23,624**	**32,009**	**34,093**	**28,536**	**185,990**
PROPERTY AND DEVELOPMENT							
Neighbourhood Revitalization	**3,888**	**3,919**	**3,950**	**4,482**	**4,115**	**4,168**	**24,522**
Heritage Conservation	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Cemeteries	**500**	**450**	**350**	**410**	**382**	**408**	**2,500**
Property Asset Management - Tax Supported	**200**	**500**	**200**	**300**	**500**	**420**	**2,120**
Property Asset Management - Municipal Accommodations	**54,594**	**4,500**	**3,969**	**4,250**	**2,966**	**4,331**	**74,610**
Total Property and Development	**59,382**	**9,569**	**8,669**	**9,642**	**8,163**	**9,527**	**104,952**
EXECUTIVE POLICY							
Organizational Support Services	**2,223**	**2,088**	**2,607**	**3,128**	**1,876**	**4,651**	**16,573**
Assessment, Taxation and Corporate	**600**			**750**	**500**	**350**	**2,200**
Council Services	**650**	**650**	**700**	**500**		**350**	**2,850**
Total Executive Policy	**3,473**	**2,738**	**3,307**	**4,378**	**2,376**	**5,351**	**21,623**
TOTAL CAPITAL PROGRAM	**393,149**	**468,354**	**495,490**	**442,198**	**293,744**	**237,357**	**2,330,292**

CAPITAL PROJECTS SUMMARY ***SERVICED BASED VIEW*** *(in Thousands of $)*	**DETAIL PAGE NO.**	**PRELIMINARY CAPITAL**						
		BUDGET	**FORECAST**					**2012-2017**
		2012	**2013**	**2014**	**2015**	**2016**	**2017**	**TOTAL**
CAPITAL PROJECTS LISTING								
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS								
Roadway Construction and Maintenance								
Public Works								
Recreational Walkways and Bike Paths - Various Locations	3-1	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
New Regional Sidewalks	3-3	**250**	**250**	**250**	**250**	**250**	**250**	**1,500**
Active Transportation Corridors	3-4	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Developer Payback - Various Locations	3-6	**9,300**	**3,000**					**12,300**
Tuxedo Yards Development	3-7	**3,166**		**700**	**1,100**	**1,600**	**2,100**	**8,666**
Kenaston Blvd - Academy Road to Taylor Avenue	3-8		**100**	**100**	**100**	**100**	**100**	**500**
Panet Rd / Molson St Twinning - Munroe Ave to Grassie Blvd	3-10		**400**					**400**
Regional and Local Street Renewal	3-11	**30,830**	**32,777**	**42,887**	**40,549**	**44,127**	**46,685**	**237,855**
Sturgeon Road Bridge (Sturgeon Creek)	3-13	**11,477**						**11,477**
Osborne Street Bridge (Assiniboine River)	3-14	**5,755**						**5,755**
CN Mainline (Rivers) Grade Separation	3-15		**1,000**					**1,000**
Louise Bridge (Red River)	3-16			**2,581**	**2,000**			**4,581**
Fermor Avenue Bridge (Seine River)	3-18					**500**	**500**	**1,000**
Saskatchewan Avenue Culvert (Sturgeon Creek)	3-19					**1,000**	**1,000**	**2,000**
Pembina Highway Underpass	3-20		**7,000**	**6,000**				**13,000**
St. James Street Bridge (Omand's Creek)	3-22		**700**	**1,461**				**2,161**
Ness Avenue Culvert (Sturgeon Creek)	3-23			**1,000**	**2,000**	**8,000**		**11,000**
Portage Avenue Bridge (Sturgeon Creek)	3-24	**500**	**500**	**5,000**				**6,000**
Saskatchewan Avenue Bridge (Omand's Creek)	3-25				**500**	**2,000**		**2,500**
Lyndale Drive - Retaining Wall Rehabilitation	3-26				**500**	**500**	**3,000**	**4,000**
Osborne Street Underpass	3-27				**2,500**		**2,500**	**5,000**
St. James Bridge - South Bound	3-28						**2,000**	**2,000**
Waterway Crossing and Grade Separations - Annual Program	3-29	**2,000**	**2,500**	**2,000**	**2,000**	**3,000**	**3,000**	**14,500**
Plessis Road Twinning and Grade Separation at CN Rail	3-33	**77,000**						**77,000**
Asset Management System - Various Divisions	3-36	**549**	**405**	**405**			**100**	**1,459**
Assessment and Taxation								
Local Improvements - Ongoing Program	3-48		**2,000**	**2,000**	**2,000**	**2,000**	**2,000**	**10,000**
Total Roadway Construction and Maintenance		**141,827**	**51,632**	**65,384**	**54,499**	**64,077**	**64,235**	**441,654**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2012-2017**
(in Thousands of $)	**NO.**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**TOTAL**
Transportation Planning and Traffic Management								
Public Works								
Traffic Signals Enhancement	3-5	**2,300**						**2,300**
Traffic Engineering Improvements - Various Locations	3-9	**1,050**	**1,150**	**1,250**	**1,250**	**1,250**	**1,250**	**7,200**
CPR Yards Functional Crossing Study - between McPhillips Street and Main Street	3-17		**1,500**				**2,000**	**3,500**
Land Acquisition - Transportation Right of Way	3-38	**1,850**	**300**	**300**	**300**	**300**	**300**	**3,350**
Total Transportation Planning and Traffic Management		**5,200**	**2,950**	**1,550**	**1,550**	**1,550**	**3,550**	**16,350**
Roadway Snow Removal and Ice Control								
Public Works								
Sand / Salt Storage Facility	3-39	**2,500**						**2,500**
Total Roadway Snow Removal and Ice Control		**2,500**						**2,500**
City Beautification								
Planning, Property and Development								
Downtown Enhancement Program	3-91	**400**	**400**	**400**	**400**	**400**	**400**	**2,400**
Community Image and Neighborhood Main Streets	3-92	**489**	**400**	**400**	**400**	**400**	**400**	**2,489**
Public Art Strategy	3-93	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Weather Protected Walkway System	3-96	**194**						**194**
Total City Beautification		**1,583**	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**8,083**

CAPITAL PROJECTS SUMMARY ***SERVICED BASED VIEW*** *(in Thousands of $)*	**DETAIL PAGE NO.**	**PRELIMINARY CAPITAL** **BUDGET 2012**	**FORECAST** **2013**	**2014**	**2015**	**2016**	**2017**	**2012-2017 TOTAL**
Land Drainage and Flood Control								
Public Works								
Land Drainage Sewers - Regional / Local Streets	3-37	**300**	**150**	**150**	**150**	**150**	**150**	**1,050**
Water and Waste								
Stormwater Retention Basin Rehabilitation	3-137		**300**		**400**		**400**	**1,100**
Flood Pumping Station Rehabilitation	3-138	**300**	**1,000**	**900**	**1,500**	**1,000**	**1,000**	**5,700**
Land Drainage and Combined Sewers Outfall Gate Structures	3-139	**300**	**800**	**600**	**1,500**	**1,400**	**1,500**	**6,100**
Floodplain Management	3-140	**300**	**100**	**100**		**100**		**600**
Seine River Waterway Acquisition	3-141	**150**	**150**	**150**	**150**	**150**	**150**	**900**
Primary Dike Upgrading	3-142	**2,190**			**900**	**900**	**1,500**	**5,490**
Land Drainage Safety Upgrading Program	3-143			**100**				**100**
Land Drainage Asset Management Strategy	3-144			**200**				**200**
Land Drainage Utility Study and Implementation	3-145		**500**					**500**
Permanent Flood Pumping Stations	3-146	**150**						**150**
Flood Manual Upgrades	3-147		**800**	**948**				**1,748**
Land Drainage Supervisory Control and Data Acquisition (SCADA) System	3-148	**100**	**100**	**100**				**300**
Outfall Rehabilitation	3-149	**1,750**	**1,300**	**1,200**	**1,200**	**1,508**	**2,000**	**8,958**
Combined Sewer Flood Relief	3-150	**4,000**	**11,000**	**10,000**	**10,000**	**10,000**	**10,000**	**55,000**
Flood Relief Sewers - Separate	3-151	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Development Agreement Paybacks	3-152	**1,000**	**500**	**500**	**500**	**500**		**3,000**
Fernbank Avenue Land Drainage Sewer	3-153				**875**			**875**
Total Land Drainage and Flood Control		**10,840**	**17,000**	**15,248**	**17,475**	**16,008**	**17,000**	**93,571**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2012-2017**
(in Thousands of $)	**NO.**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**TOTAL**
Parks and Urban Forestry								
Public Works								
Reforestation - Improvements	3-40	**387**	**383**	**383**	**383**	**383**	**383**	**2,302**
Athletic Fields - Improvements	3-41		**200**	**200**	**124**	**200**	**200**	**924**
Parks - Improvements	3-42	**817**	**677**	**653**	**655**	**655**	**655**	**4,112**
Regional and Community Parks - Buildings	3-43					**2,150**		**2,150**
Playground Structures	3-44	**1,800**	**1,800**	**1,800**	**1,800**	**1,800**	**1,800**	**10,800**
Hardsurface Upgrading	3-45		**150**	**150**		**150**	**150**	**600**
Community Park Amenities	3-46	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**1,500**	**9,000**
Planning, Property and Development								
Riverbank Greenway Programs	3-89	**400**	**381**	**400**	**400**	**443**	**405**	**2,429**
Developer Payback	3-95	**290**	**210**	**380**	**245**	**275**	**280**	**1,680**
Riverbank Stabilization - Physical Asset Protection	3-97	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**6,000**
Total Parks and Urban Forestry		**6,194**	**6,301**	**6,466**	**6,107**	**8,556**	**6,373**	**39,997**
Public Transit								
Transit								
Innovative Transit Program	3-132	**250**	**800**	**800**	**800**	**1,000**	**1,000**	**4,650**
Transit Building Replacement / Refurbishment - First charge on 2012 Capital Budget, $9.409 million (Council February 22, 2011)	3-133	**9,409**	**9,388**	**11,569**	**4,585**	**4,171**	**4,171**	**43,293**
Transit Buses	3-134	**13,500**	**16,009**	**17,583**	**18,547**	**22,850**	**24,014**	**112,503**
Rapid Transit Planning and Design	3-135	**1,000**						**1,000**
Asset Management Program	3-136	**300**						**300**
Total Public Transit		**24,459**	**26,197**	**29,952**	**23,932**	**28,021**	**29,185**	**161,746**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2012-2017**
(in Thousands of $)	**NO.**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**TOTAL**
Water								
Water and Waste - Waterworks System								
Shoal Lake Aqueduct and Falcon River Diversion Bridges	3-155	**1,000**	**1,000**					**2,000**
Shoal Lake Aqueduct Asset Preservation	3-156	**1,300**	**800**	**800**	**500**	**500**	**500**	**4,400**
Shoal Lake Aqueduct Intake Facility Rehabilitation	3-157	**1,200**	**1,300**	**5,200**				**7,700**
Aqueduct Information Management System	3-158		**200**					**200**
Branch I Aqueduct at Seine River - Riverbank Stabilization (east side)	3-159	**400**	**1,000**					**1,400**
Branch Aqueduct Condition Assessment and Rehabilitation	3-160		**500**	**500**	**1,000**		**1,000**	**3,000**
GWWD Railway Bridge Rehabilitation	3-161	**300**	**1,000**	**400**				**1,700**
Water Treatment Plant Upgrading	3-162	**140**		**900**		**10,000**		**11,040**
Water Treatment Research and Process Optimization Facility	3-163	**900**						**900**
Ultraviolet Light Disinfection Upgrade / Rehabilitation	3-164	**250**				**4,000**		**4,250**
Deacon Reservoir Cell Rehabilitation Project	3-165	**750**						**750**
Deacon Site Flood Protection	3-166			**560**				**560**
McPhillips Reservoir Slope Stabilization	3-167		**120**					**120**
Tache Booster Pumping Station	3-168	**500**	**3,000**	**1,800**				**5,300**
Pumping Stations Reliability Upgrades	3-169	**1,200**	**1,000**	**1,000**				**3,200**
Pumping Stations Structural Upgrades	3-170		**500**					**500**
Chlorination Upgrading at Pumping Stations (formerly Chlorination Decommission at Regional Pump Stations)	3-171			**1,000**				**1,000**
Water Services Division Operations Accreditation	3-172		**500**					**500**
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	3-173	**2,000**	**1,000**					**3,000**
Waterworks System Security Upgrades	3-174	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
General Water Infrastructure Rehabilitation	3-175			**500**	**500**	**1,000**	**1,000**	**3,000**
Regulatory Assessment of Water System Infrastructure and Supply Sources	3-176				**650**			**650**
North End Water Pollution Control Centre (NEWPCC) - Environmental Services Laboratory Facility Upgrading	3-177						**250**	**250**
Midtown Feedermain	3-178	**5,000**						**5,000**
Saskatchewan Avenue Watermain	3-179				**4,400**			**4,400**
Waverley West Feedermain	3-180		**6,800**					**6,800**
Feedermain Condition Assessment and Rehabilitation	3-181	**500**	**500**	**1,000**	**1,000**	**1,000**	**1,000**	**5,000**
Public Water Outlets	3-182		**400**	**600**				**1,000**
Water Utility Asset Management Strategy	3-183	**200**						**200**
Water and Waste Department GIS Enhancement Program	3-184		**100**	**100**	**100**	**100**	**100**	**500**
Hydrant and Valve Operations Management Systems	3-185	**180**	**270**					**450**
Water Supply Valve Installation / Replacement Program	3-186	**750**	**750**			**500**	**500**	**2,500**
Meter Infrastructure Project	3-187	**3,720**						**3,720**
Watermain Renewals	3-188	**14,400**	**15,000**	**16,000**	**17,000**	**17,000**	**17,500**	**96,900**
Total Water		**35,190**	**36,240**	**30,860**	**25,650**	**34,600**	**22,350**	**184,890**

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 TOTAL
Wastewater								
Water and Waste - Sewage Disposal								
Wastewater System Security Upgrades	3-189	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
North End Water Pollution Control Centre (NEWPCC) - Centrifuge Replacement	3-190	**3,000**	**3,000**	**3,000**				**9,000**
NEWPCC - Digester Rehabilitation Project	3-191	**1,000**	**1,000**	**1,000**	**1,000**			**4,000**
NEWPCC - Grit Handling Upgrades	3-192	**1,000**		**6,300**	**6,600**	**5,000**		**18,900**
NEWPCC - Holding Tanks Restoration	3-193		**2,550**					**2,550**
NEWPCC - New Discharge Chamber	3-194	**500**		**5,000**	**10,000**			**15,500**
NEWPCC - New Surgewell	3-195	**1,000**	**4,000**	**9,000**				**14,000**
NEWPCC - Primary Clarifier Covers	3-196		**500**		**25,000**			**25,500**
NEWPCC - Raw Sewage Pump Replacement	3-197		**1,000**	**9,300**				**10,300**
NEWPCC - Secondary Clarifiers Refurbishment	3-198	**500**	**500**	**500**				**1,500**
NEWPCC - Upgrading External Power Supply	3-199		**5,000**	**4,000**		**15,000**		**24,000**
NEWPCC - Environmental Services Laboratory Facility Upgrading	3-200						**250**	**250**
Water Pollution Control Centres (WPCC) - Distributed Control System (DCS) and Human Machine Interface (HMI) Upgrades	3-201	**1,000**	**1,000**					**2,000**
WPCC - Flood Mitigation	3-202	**150**	**200**					**350**
WPCC - Hauled Liquid Waste Acceptance Facility	3-203		**3,000**					**3,000**
WPCC - Reliability Upgrades	3-204	**2,000**	**5,000**	**5,000**	**5,000**	**5,000**	**5,000**	**27,000**
WPCC - Re-roofing	3-205		**400**		**400**		**400**	**1,200**
Environmental Impact Statement and Public Hearings	3-206	**200**	**100**	**100**	**100**	**100**	**100**	**700**
Biosolids - Alternative Disposal Delivery and Management System	3-207	**5,000**	**50,000**	**50,000**	**42,000**			**147,000**
NEWPCC - Nutrient Removal	3-208		**155,000**	**155,000**	**69,286**			**379,286**
Arc Flash Hazard Analysis and Remediation	3-209	**750**						**750**
Lift Stations Upgrading	3-210	**2,000**	**1,500**	**1,500**	**1,000**	**1,000**	**1,000**	**8,000**
Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development	3-211		**2,000**					**2,000**
Fernbank Interceptor	3-212					**8,000**		**8,000**
Waverley West Interceptor Sewer	3-213	**700**						**700**
Warde Interceptor Extension	3-214					**3,200**		**3,200**
River Crossings Monitoring and Rehabilitation	3-215	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**7,800**
Sewer System Isolation in Areas Protected by Secondary Dikes	3-216				**1,000**	**1,000**		**2,000**
Wastewater Collection System Asset Management Strategy	3-217		**200**					**200**

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 TOTAL
Wastewater Collection System Buildings Re-Roofing	3-218	**300**			**300**			**600**
Wastewater Collection System Reliability	3-219	**400**			**400**			**800**
Water and Waste Department GIS Enhancement Program	3-220		**100**	**100**	**100**	**100**	**100**	**500**
Inflow / Infiltration / Cross-Connection Study and Mitigation	3-221		**500**	**500**	**3,000**		**1,500**	**5,500**
Combined Sewer Overflow (CSO) Management Strategy and Miscellaneous Mitigation	3-222	**16,200**	**17,200**	**16,200**	**16,200**	**17,200**	**17,200**	**100,200**
Sewer Renewals	3-223	**13,900**	**14,600**	**15,300**	**16,100**	**16,900**	**17,800**	**94,600**
Total Wastewater		**51,400**	**270,150**	**283,600**	**199,286**	**74,300**	**45,150**	**923,886**
Solid Waste Collection and Disposal								
Water and Waste - Tax Supported								
Comprehensive Integrated Waste Management Strategy (CIWMS) - Provision of Automated Refuse Collection Carts - First charge on 2012 Capital Budget $7.25 million (Council October 19, 2011)	3-154	**7,250**						**7,250**
Water and Waste - Solid Waste Disposal								
Brady Landfill - Cell Excavation	3-224		**1,300**	**1,330**	**1,370**	**1,400**	**1,400**	**6,800**
Summit Landfill Closure / Post-Closure	3-225	**400**	**400**					**800**
Summit Landfill Leachate Collection Assessment	3-226		**200**					**200**
Miscellaneous Land Acquisition	3-227	**500**		**200**				**700**
Closed Landfills Disposition Study	3-228		**200**					**200**
CIWMS - Consulting Support for System Transition - First charge on 2012 Capital Budget $400,000 (Council October 19, 2011)	3-229	**400**	**200**	**200**				**800**
Brady Landfill - Drainage, Roadways and Site Improvements	3-230	**2,500**						**2,500**
CIWMS - Brady Landfill - Industrial, Commercial, Institutional (ICI) and Construction and Demolition (C & D) Diversion	3-231					**4,500**		**4,500**
CIWMS - Community Resource Recovery Facilities - (South and North)	3-232		**2,700**	**3,400**				**6,100**
CIWMS - Community Resource Recovery Facilities - (West and East)	3-233					**3,400**	**3,400**	**6,800**
CIWMS - Material Recycling Facility	3-234			**20,000**				**20,000**
CIWMS - Organics (Yard Waste) Composting Facility	3-235	**2,000**						**2,000**
CIWMS - Source Separated Organics	3-236			**400**	**65,000**	**11,400**		**76,800**
CIWMS - Provision of Automated Recycling Collection Carts - First charge on 2012 Capital Budget $9.35 million (Council October 19, 2011)	3-237	**9,350**						**9,350**
Garbage and Recycling Cart Asset Management	3-238	**250**						**250**
Total Solid Waste Collection and Disposal		**22,650**	**5,000**	**25,530**	**66,370**	**20,700**	**4,800**	**145,050**
TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS		**301,843**	**416,770**	**459,890**	**396,169**	**249,112**	**193,943**	**2,017,727**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2012-2017**
(in Thousands of $)	**NO.**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**TOTAL**
PROTECTION AND COMMUNITY SERVICES								
Police Response								
Winnipeg Police Service								
Winnipeg Police Service Communications Systems	3-66	**2,200**						**2,200**
Communications New Phone System	3-67		**1,490**					**1,490**
Next Generation 911	3-68				**1,900**			**1,900**
Trunk Radio System	3-69					**7,200**		**7,200**
Automated Fingerprint Identification System (AFIS) Replacement	3-70		**321**					**321**
In Car Computing (formerly Mobile Laptops)	3-71		**1,200**					**1,200**
Officer Mobile Video System	3-72					**1,000**		**1,000**
Radio Upgrade for Districts 3 and 4	3-73					**500**		**500**
Computer Assisted Dispatch	3-74				**2,000**			**2,000**
Police Division's Systems Upgrades	3-75	**150**	**1,273**	**3,743**	**2,286**	**300**	**500**	**8,252**
West Station Information Technology Requirements	3-77	**500**						**500**
North Station Information Technology Requirements	3-78			**500**				**500**
Police Building Replacement - First charge on 2012 Capital Budget, $510,000 (Council October 19, 2011)	3-79	**4,100**						**4,100**
Winnipeg Police Headquarters Redevelopment	3-80	**1,400**	**5,600**					**7,000**
Bomb Magazine Storage Facility	3-82	**372**						**372**
Building Video Surveillance Systems	3-83						**4,000**	**4,000**
Communication Centre Back Up Site Upgrade	3-84						**400**	**400**
Card Access	3-85			**400**				**400**
Total Police Response		**8,722**	**9,884**	**4,643**	**6,186**	**9,000**	**4,900**	**43,335**
Fire and Rescue Response								
Fire Paramedic Service								
Facilities Replacement and Relocation Program	3-86		**5,000**	**858**	**3,000**		**4,000**	**12,858**
Replacement Radio System	3-87				**2,000**	**4,000**		**6,000**
Total Fire and Rescue Response			**5,000**	**858**	**5,000**	**4,000**	**4,000**	**18,858**

CAPITAL PROJECTS SUMMARY	**DETAIL**	**PRELIMINARY CAPITAL**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2012-2017**
(in Thousands of $)	**NO.**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**TOTAL**
Recreation								
Community Services								
Recreational Facility Safety and Accessibility Improvements Program	3-54	**400**	**400**	**500**	**500**	**600**	**600**	**3,000**
Business Application Systems	3-56		**250**				**250**	**500**
Recreation Equipment Program	3-57				**400**		**400**	**800**
Technology Upgrade and Replacement Program	3-58			**250**				**250**
Recreation Facility Replacement - New Infrastructure	3-59				**2,800**	**2,600**	**1,700**	**7,100**
Recreation Refurbishment and Redevelopment Program- Existing Infrastructure	3-60	**3,486**				**1,500**		**4,986**
East Elmwood Community Centre	3-61		**1,800**					**1,800**
Community Centre Renovation Incentive Grant Program (CCRIGP)	3-62	**965**	**965**	**965**	**965**	**965**	**965**	**5,790**
Municipal Accommodations								
Community Centres - Refurbishing and Improvements	3-109	**500**	**500**	**700**	**700**	**700**	**620**	**3,720**
Arenas	3-110	**525**	**525**	**525**	**525**	**525**	**525**	**3,150**
Indoor Aquatic Facilities	3-111	**2,530**	**2,530**	**2,530**	**2,530**	**2,530**	**2,530**	**15,180**
Outdoor Aquatic Facilities	3-112	**350**	**350**	**330**	**330**	**350**	**342**	**2,052**
Community Facilities	3-113	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
UFF - Hockey Pen Light Standard Replacement	3-115	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Total Recreation		**9,056**	**7,620**	**6,100**	**9,050**	**10,070**	**8,232**	**50,128**
Golf Services (SOA)								
Winnipeg Golf Services								
Golf Course Improvements	3-239	**150**						**150**
Total Golf Services (SOA)		**150**						**150**
Libraries								
Community Services								
Library Shelving and Furniture Replacement Program	3-50	**200**	**200**	**200**	**200**	**200**	**300**	**1,300**
Library Replacement - New Infrastructure	3-51		**5,500**					**5,500**
Renovate and Refurbish Various Library Branches Program - Existing Infrastructure	3-52	**500**	**1,000**	**1,500**		**500**	**500**	**4,000**
Library Technology Upgrade and Replacement Program	3-53		**250**	**500**	**500**	**500**	**500**	**2,250**
Library Signage, Safety and Accessibility Program	3-55	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Improve Access to 765 Keewatin - Sir William Stephenson Library	3-65						**281**	**281**
Total Libraries		**900**	**7,150**	**2,400**	**900**	**1,400**	**1,781**	**14,531**

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 TOTAL
Arts, Entertainment and Culture								
Community Services								
Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability (formerly Assiniboine Park Conservancy (APC) - Upgrades and Improvements)	3-63	**5,123**	**5,123**	**5,123**	**5,123**	**5,123**	**5,123**	**30,738**
Assiniboine Park Conservancy (APC) - Capital Development Plan - First charge on 2012 Capital Budget, $800,000 (Council February 22, 2011)	3-64	**4,500**	**4,500**	**4,500**	**4,500**	**4,500**	**4,500**	**27,000**
Total Arts, Entertainment and Culture		**9,623**	**9,623**	**9,623**	**9,623**	**9,623**	**9,623**	**57,738**
Insect Control								
Public Works								
Insect Control - Information System	3-47				**1,250**			**1,250**
Total Insect Control					**1,250**			**1,250**
TOTAL PROTECTION AND COMMUNITY SERVICES		**28,451**	**39,277**	**23,624**	**32,009**	**34,093**	**28,536**	**185,990**
PROPERTY AND DEVELOPMENT								
Neighbourhood Revitalization								
Community Services								
Community Incentive Grant Program	3-49	**1,538**	**1,569**	**1,600**	**1,632**	**1,665**	**1,698**	**9,702**
Planning, Property and Development								
Building Communities Initiative II	3-99	**2,000**	**2,000**	**2,000**	**2,500**			**8,500**
Building Communities Initiative III	3-100					**2,100**	**2,120**	**4,220**
Municipal Accommodations								
City-Wide Accessibility Program	3-116	**350**	**350**	**350**	**350**	**350**	**350**	**2,100**
Total Neighourhood Revitalization		**3,888**	**3,919**	**3,950**	**4,482**	**4,115**	**4,168**	**24,522**
Heritage Conservation								
Municipal Accommodations								
Historic Buildings	3-106	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Total Heritage Conservation		**200**	**200**	**200**	**200**	**200**	**200**	**1,200**

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 TOTAL
Cemeteries								
Planning, Property and Development								
Cemeteries - Improvements	3-90	**500**	**450**	**350**	**410**	**382**	**408**	**2,500**
Total Cemeteries		**500**	**450**	**350**	**410**	**382**	**408**	**2,500**
Property Asset Management - Tax Supported								
Planning, Property and Development								
Computer Automation	3-88		**200**	**200**		**200**	**120**	**720**
Land Acquisition for General Unspecified Purposes	3-94	**200**	**300**		**300**	**300**	**300**	**1,400**
Total Property Asset Management - Tax Supported		**200**	**500**	**200**	**300**	**500**	**420**	**2,120**
Property Asset Management - Municipal Accommodations								
Municipal Accommodations								
General Building Renovation and Refurbishing	3-101	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
Accommodation Facilities	3-102	**1,100**	**2,200**	**1,830**	**2,100**	**1,239**	**2,251**	**10,720**
Fire / Life Safety / Regulatory Upgrades	3-103	**549**	**525**	**1,014**	**725**	**625**	**710**	**4,148**
Energy Conservation	3-104	**400**	**150**	**200**	**100**	**100**	**150**	**1,100**
Tenant Improvement Prepayment - Major Department	3-105	**500**			**200**	**200**	**180**	**1,080**
Generator Set Replacement and Upgrades	3-107		**800**		**200**		**200**	**1,200**
Security / Building Automation System Initiatives	3-108	**125**	**225**	**225**	**225**	**140**	**188**	**1,128**
Building Asset / Work Management Program	3-114	**100**	**100**	**200**	**200**	**162**	**152**	**914**
Emergency Repair / Replacement of the Cooling Plant - 510 Main Street - First charge on 2012 Capital Budget, $1.8 million (Council September 28, 2011)	3-117	**1,800**						**1,800**
East Yard Complex Development	3-118	**49,520**						**49,520**
Total Property Asset Management - Municipal Accommodations		**54,594**	**4,500**	**3,969**	**4,250**	**2,966**	**4,331**	**74,610**
TOTAL PROPERTY AND DEVELOPMENT		**59,382**	**9,569**	**8,669**	**9,642**	**8,163**	**9,527**	**104,952**

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2012	FORECAST 2013	2014	2015	2016	2017	2012-2017 TOTAL
EXECUTIVE POLICY								
Organizational Support Services								
Corporate Support Services								
PeopleSoft Upgrade	3-122	1,000	200				2,500	3,700
Communications Network Infrastructure	3-123	593	277	541	566	553	506	3,036
Enterprise Computing Initiatives	3-124	630	613	717	515	585	844	3,904
E-Government	3-125		229	150	300	200	250	1,129
Data Warehouse / Business Intelligence	3-126		169	153	218	203	149	892
311 Renewal	3-127		300	646	729	335	402	2,412
PSB Fibre Relocate	3-128		300					300
Teraspan Fibre Ring Renewal	3-129			400	800			1,200
Total Organizational Services		2,223	2,088	2,607	3,128	1,876	4,651	16,573
Assessment, Taxation and Corporate								
Assessment and Taxation								
Assessment Automation	3-130	500			750	500	350	2,100
Corporate								
City-Wide Asset Management Initiative	3-131	100						100
Total Assessment, Taxation and Corporate		600			750	500	350	2,200
Council Services								
City Clerks								
Corporate Records Centre	3-119	150					150	300
Election Systems	3-120		150	200			200	550
City Archives	3-121	500	500	500	500			2,000
Total Council Services		650	650	700	500		350	2,850
TOTAL EXECUTIVE POLICY		3,473	2,738	3,307	4,378	2,376	5,351	21,623
TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW		393,149	468,354	495,490	442,198	293,744	237,357	2,330,292

Winnipeg

The City of Winnipeg

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Appendices

2012
Preliminary Capital Budget

and

2013 to 2017
Five Year Forecast

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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%

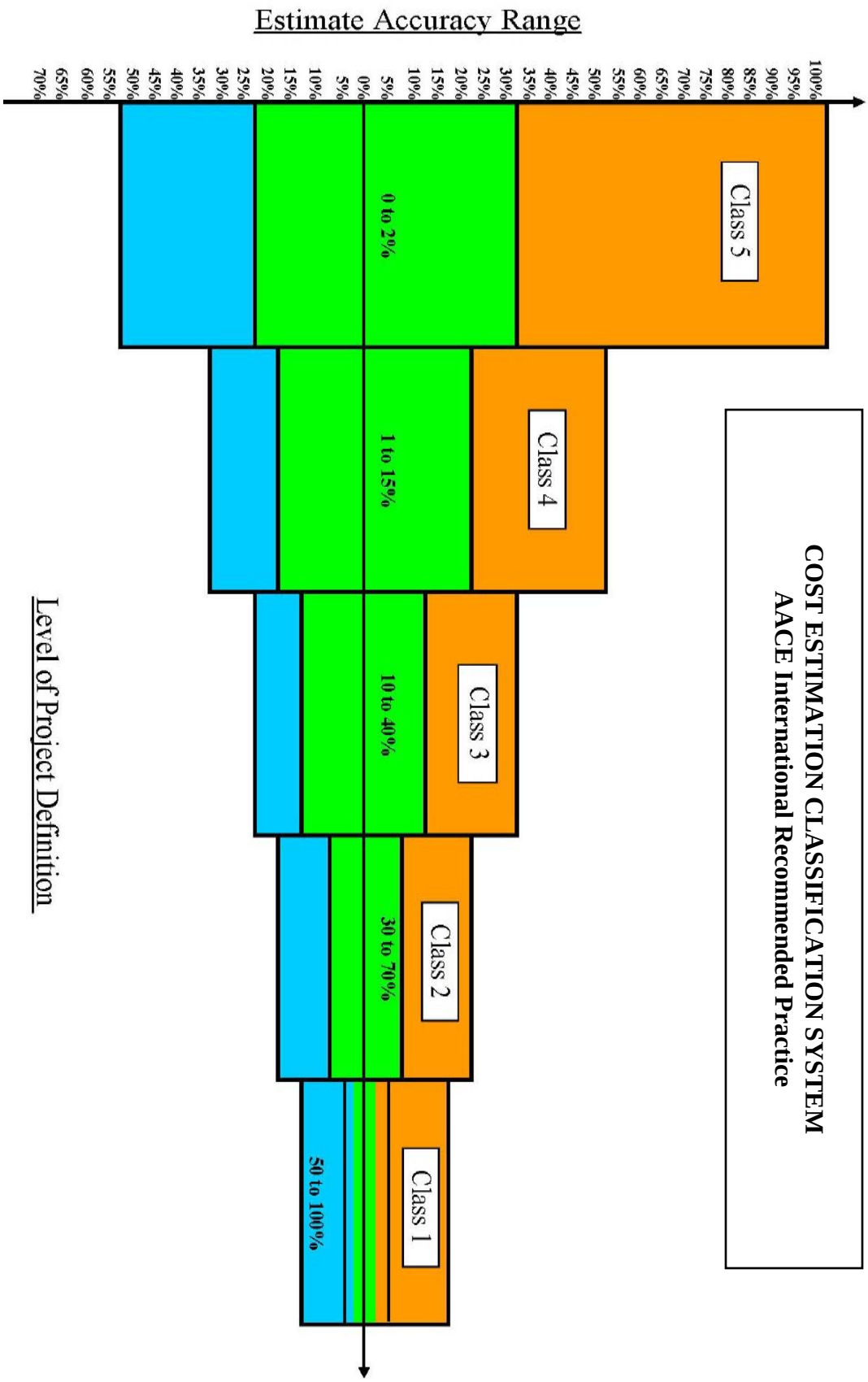
Class 4	Typical estimate methodology primarily judgment. (Concept Study or Feasibility)		
Level of Project Definition	1 to 15%	Expected Accuracy	High: +20% to +50% Low: -15% to -30%

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


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%
Class 5
0 to 2%
Class 4
1 to 15%
Class 3
10 to 40%
Class 2
30 to 70%
Class 1
50 to 100%
Level of Project Definition
COST ESTIMATION CLASSIFICATION SYSTEM
AACE International Recommended Practice

Appendix 3: Public Private Partnership Payments as a Percentage of Cash to Capital/Gas Tax

(In thousands of dollars)	2012	2013	2014	2015	2016	2017
Public Private Partnership Payments:						
1 Charleswood Bridge	1,478	1,478	1,478	1,478	1,478	1,478
2 Police Building Replacement	891	2,090	4,059	4,059	4,059	4,060
3 Disraeli Bridge and Overpass Facility	7,700	19,800	19,800	19,800	19,800	19,800
4 Chief Peguis Trail - Henderson to Lagimodiere	8,284	8,284	8,284	8,284	8,284	8,284
Total	18,353	31,652	33,621	33,621	33,621	33,622
Less Manitoba Winnipeg Infrastructure Fund (2010 - 2019)	-	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
Net Public Private Partnership Payments	**18,353**	**26,652**	**28,621**	**28,621**	**28,621**	**28,622**
Financing Sources:						
1 Cash to Capital	69,478	71,478	73,478	75,478	77,478	79,478
2 Federal Gas Tax	41,050	40,450	40,450	40,450	40,450	40,450
Total Cash to Capital and Gas Tax	**110,528**	**111,928**	**113,928**	**115,928**	**117,928**	**119,928**
Payments as a Percentage of Cash to Capital and Gas Tax	**16.60%**	**23.81%**	**25.12%**	**24.69%**	**24.27%**	**23.87%**

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.



2012
Preliminary Capital Budget
2013 - 2017 Five Year Forecast